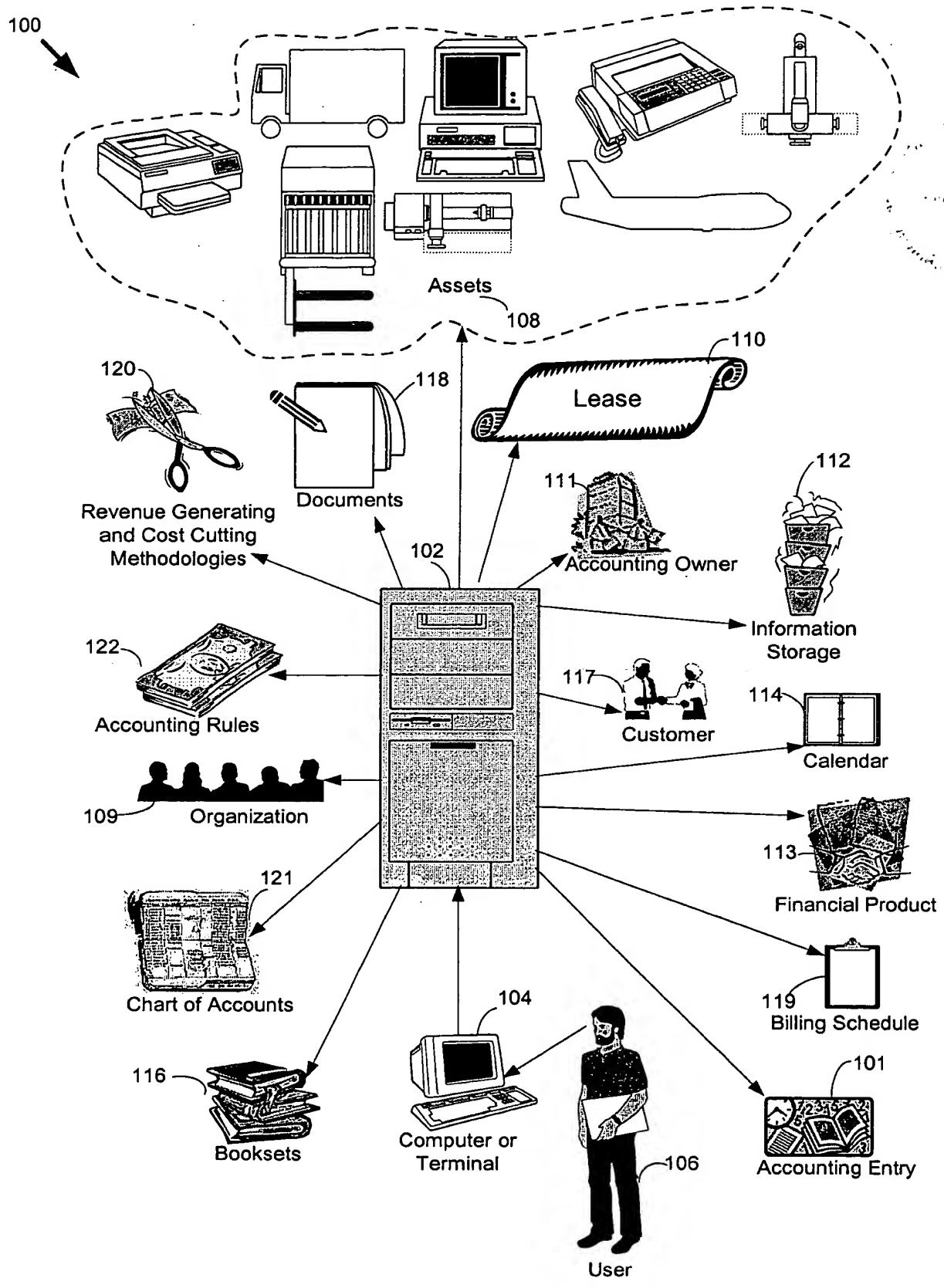

100
Assets
108
110
Lease
120
118
Documents
Revenue Generating
and Cost Cutting
Methodologies
111
Accounting Owner
112
Information
Storage
102
122
Accounting Rules
117
Customer
114
Calendar
109
Organization
113
Financial Product
121
Chart of Accounts
119
Billing Schedule
104
116
Booksets
Computer or
Terminal
101
Accounting Entry
106
User

Fig. 1

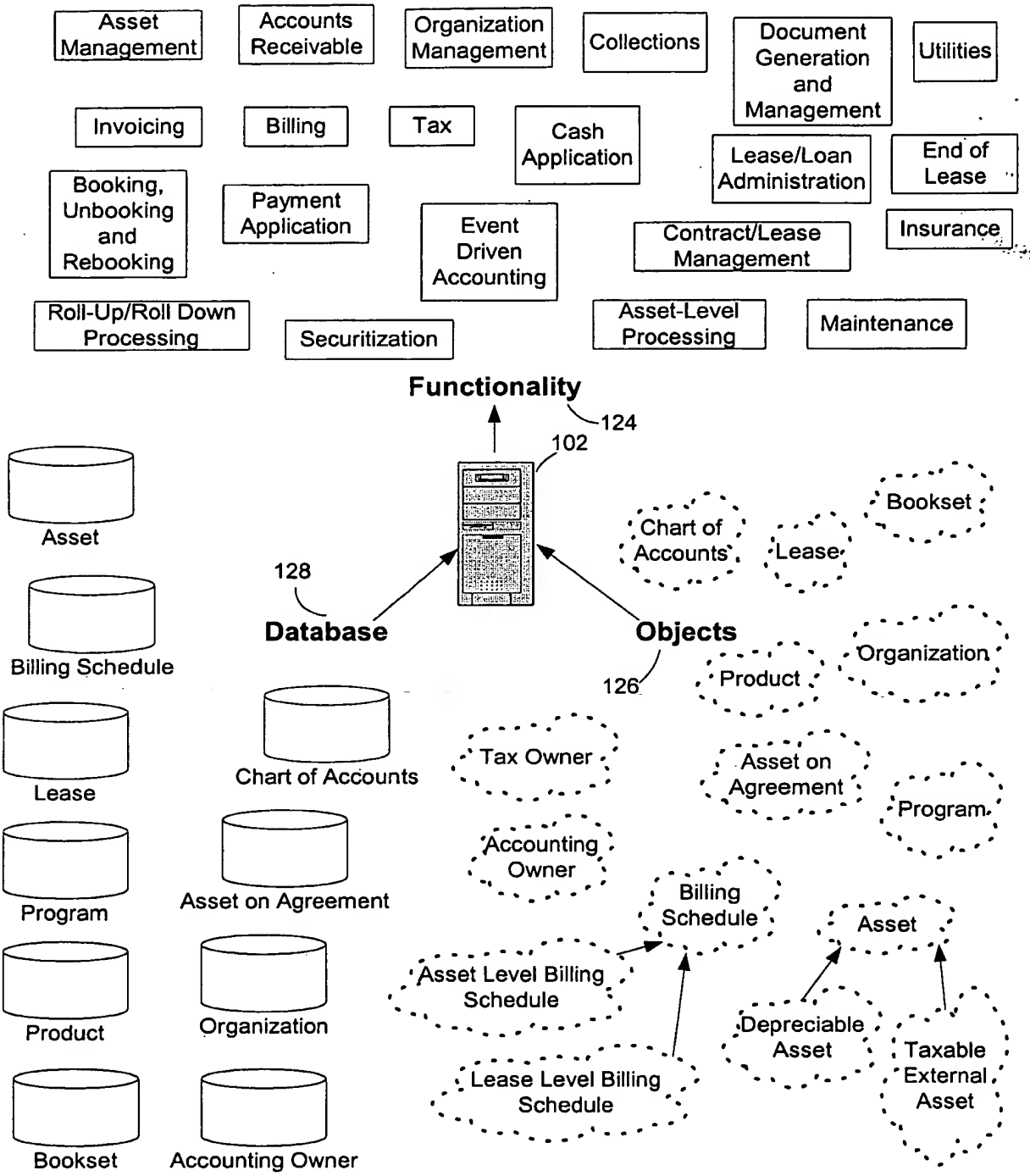

Asset Management
Accounts Receivable
Organization Management
Collections
Document Generation and Management
Utilities
Invoicing
Billing
Tax
Cash Application
Lease/Loan Administration
End of Lease
Booking, Unbooking and Rebooking
Payment Application
Event Driven Accounting
Contract/Lease Management
Insurance
Roll-Up/Roll Down Processing
Securitization
Asset-Level Processing
Maintenance
Functionality
124
102
128
Database
Objects
126
Asset
Billing Schedule
Lease
Chart of Accounts
Program
Asset on Agreement
Product
Organization
Bookset
Accounting Owner
Chart of Accounts
Lease
Bookset
Product
Organization
Tax Owner
Asset on Agreement
Program
Accounting Owner
Billing Schedule
Asset
Asset Level Billing Schedule
Depreciable Asset
Taxable External Asset
Lease Level Billing Schedule

Fig. 2

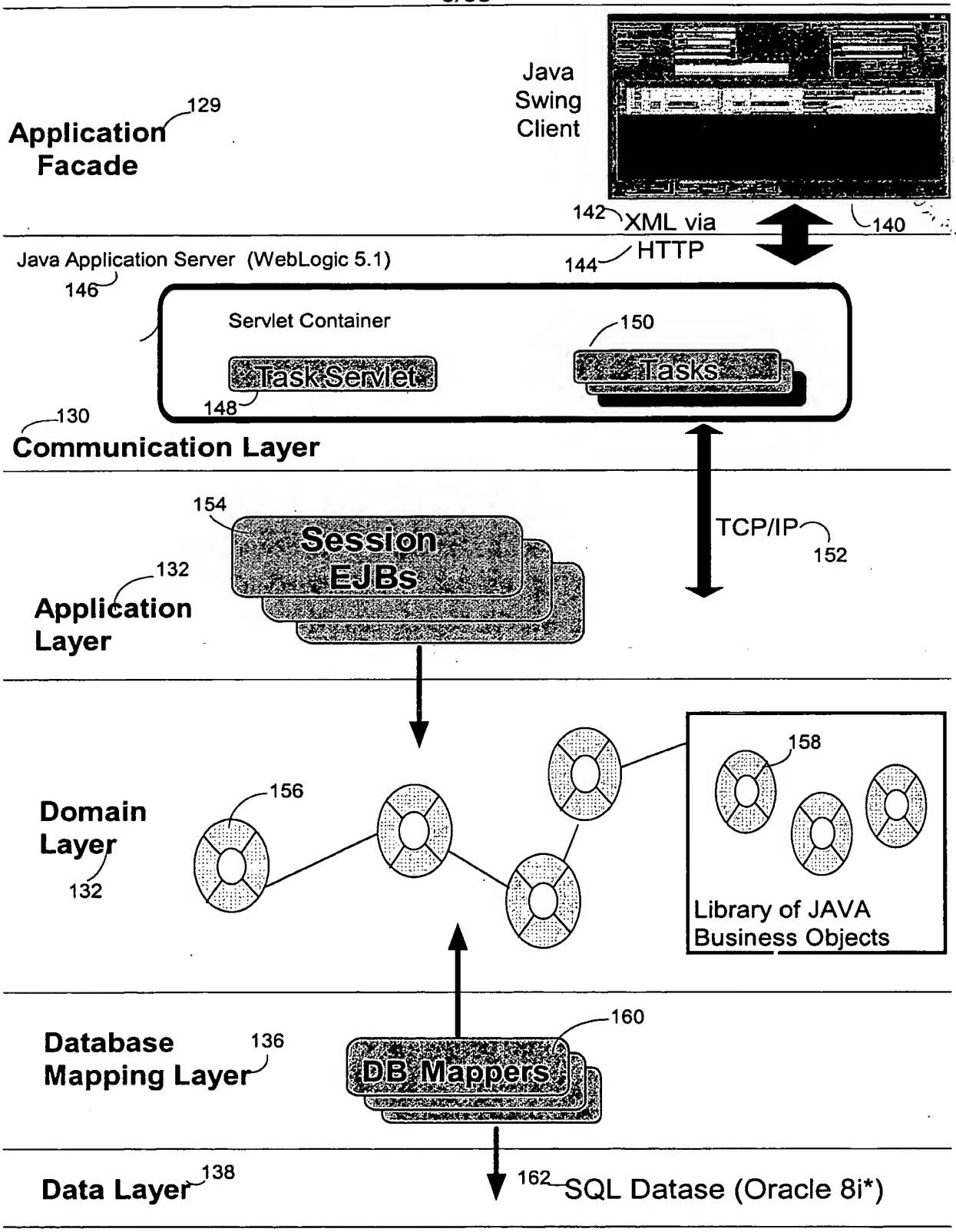

Application Facade
129
Java Swing Client
142
XML via HTTP
144
140
Java Application Server (WebLogic 5.1)
146
Servlet Container
Task Servlet
148
150
Tasks
130
Communication Layer
TCP/IP
152
154
Session EJBs
Application Layer
132
Domain Layer
132
156
158
Library of JAVA Business Objects
Database Mapping Layer
136
DB Mappers
160
Data Layer
138
162
SQL Datase (Oracle 8i*)

Fig. 3a

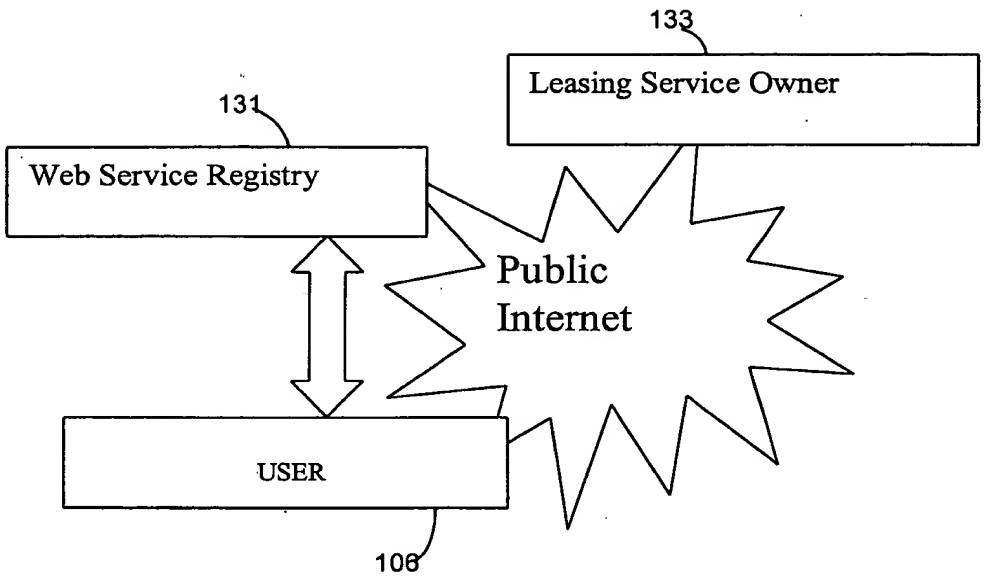

133
Leasing Service Owner
131
Web Service Registry
Public
Internet
USER
106

Fig. 3b

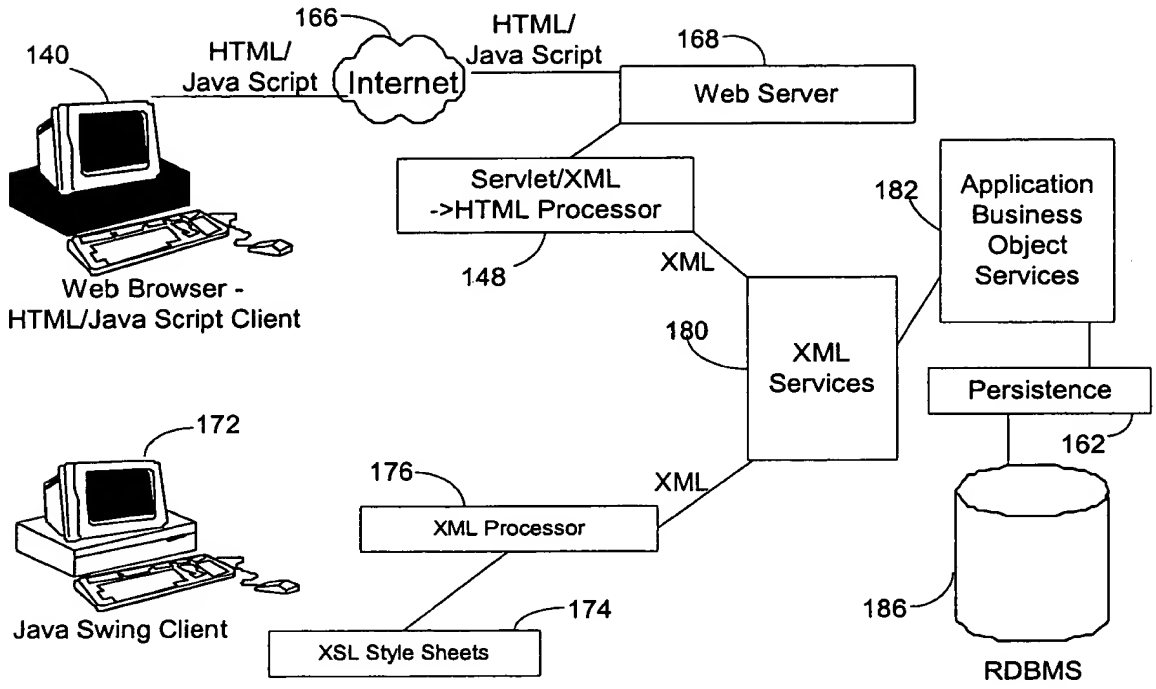

166
HTML/
Java Script
168
140
HTML/
Java Script
Internet
Web Server
Servlet/XML
->HTML Processor
182
Application
Business
Object
Services
148
XML
Web Browser -
HTML/Java Script Client
180
XML
Services
Persistence
172
162
176
XML
XML Processor
Java Swing Client
174
186
XSL Style Sheets
RDBMS

Fig. 4

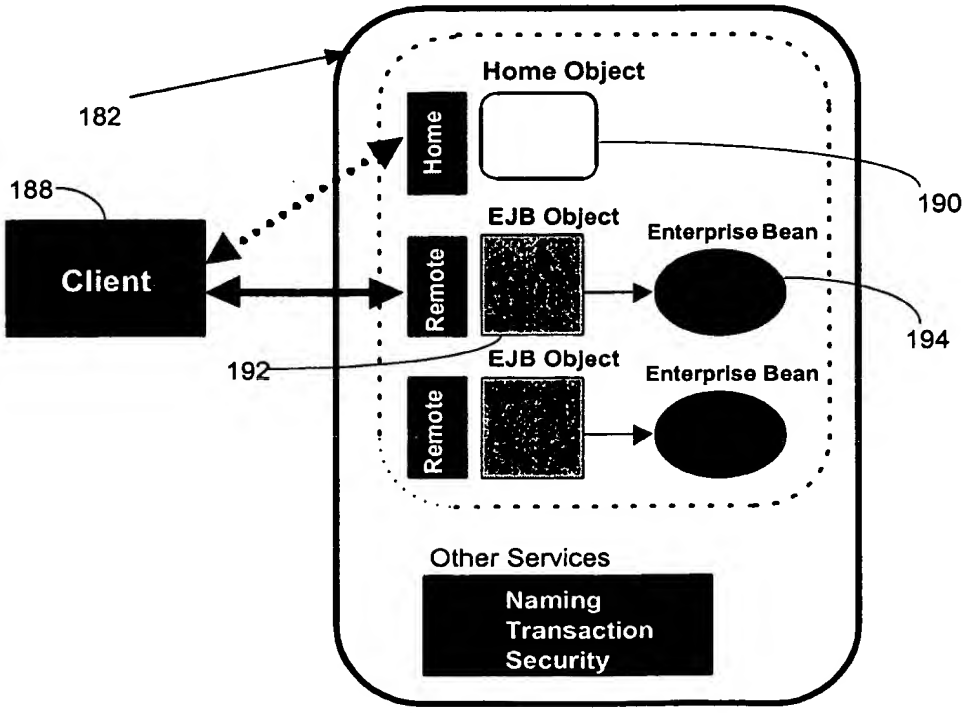

182
Home Object
Home
188
190
EJB Object
Enterprise Bean
Client
Remote
194
192
EJB Object
Enterprise Bean
Remote
Other Services
Naming
Transaction
Security

Fig. 5

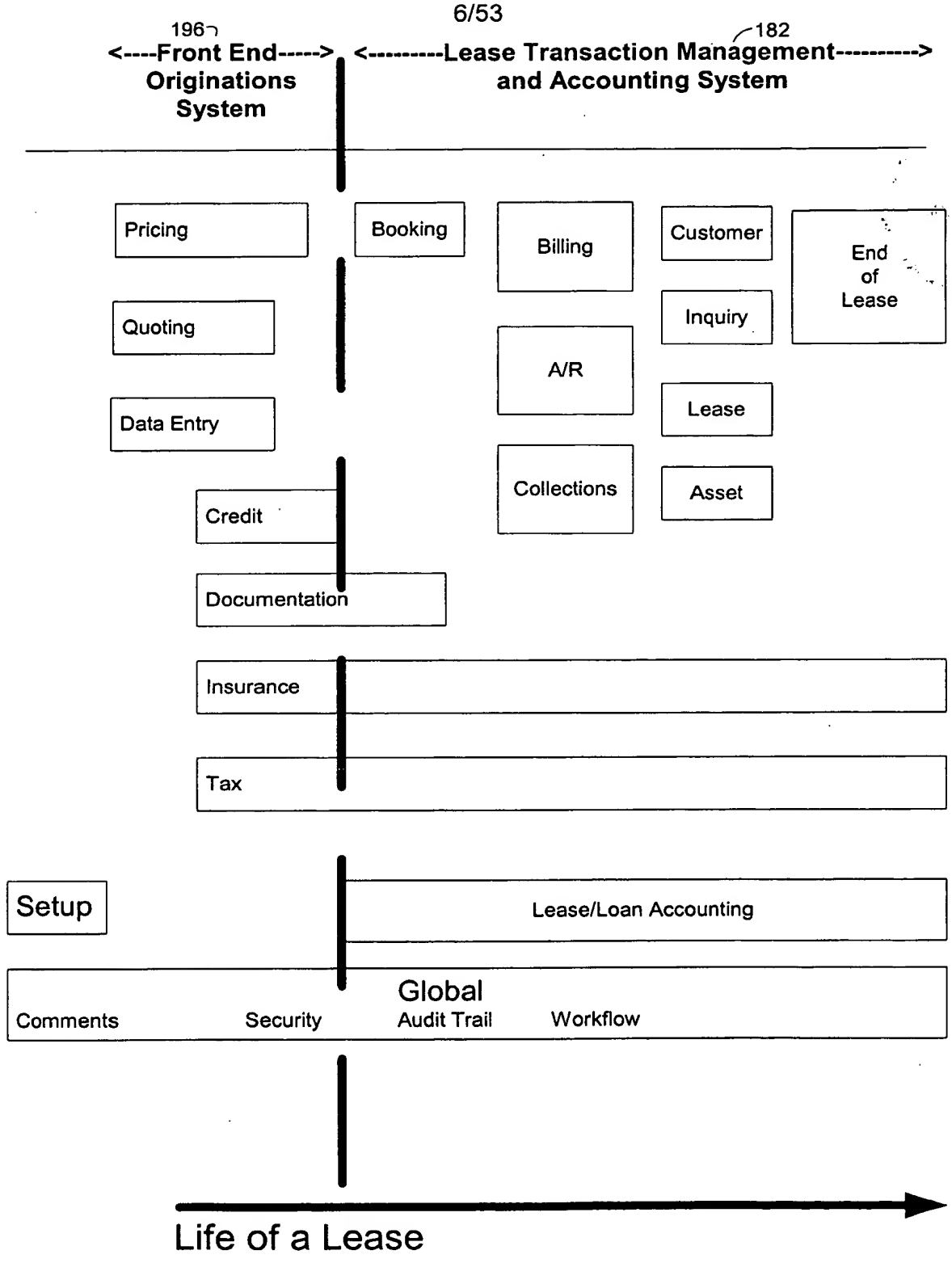

196
<----Front End-----> Originations System
182
<---------Lease Transaction Management----------> and Accounting System
Pricing
Booking
Billing
Customer
End of Lease
Quoting
Inquiry
A/R
Data Entry
Lease
Collections
Asset
Credit
Documentation
Insurance
Tax
Setup
Lease/Loan Accounting
Global
Comments
Security
Audit Trail
Workflow
Life of a Lease

Fig. 6

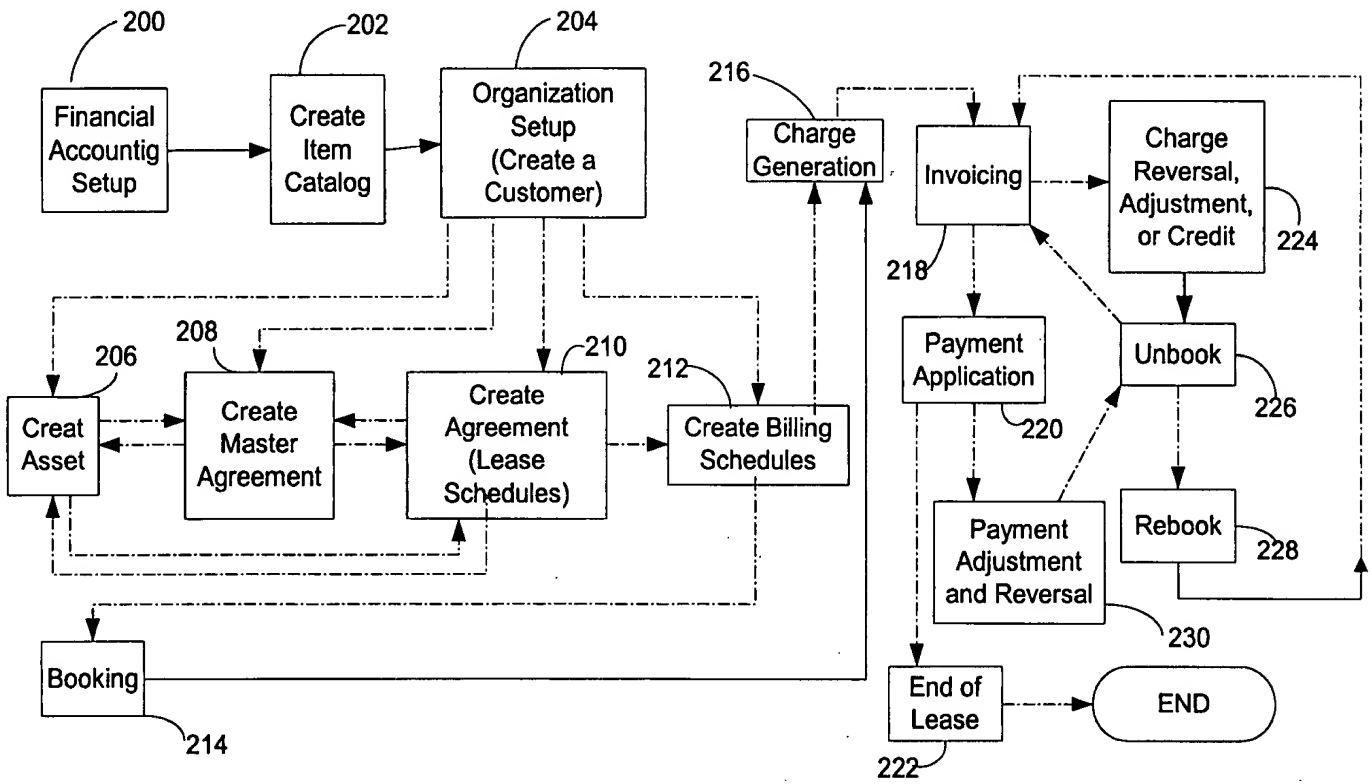

200
Financial Accountig Setup
202
Create Item Catalog
204
Organization Setup (Create a Customer)
206
Creat Asset
208
Create Master Agreement
210
Create Agreement (Lease Schedules)
212
Create Billing Schedules
214
Booking
216
Charge Generation
218
Invoicing
220
Payment Application
222
End of Lease
224
Charge Reversal, Adjustment, or Credit
226
Unbook
228
Rebook
230
Payment Adjustment and Reversal
END

Fig. 7

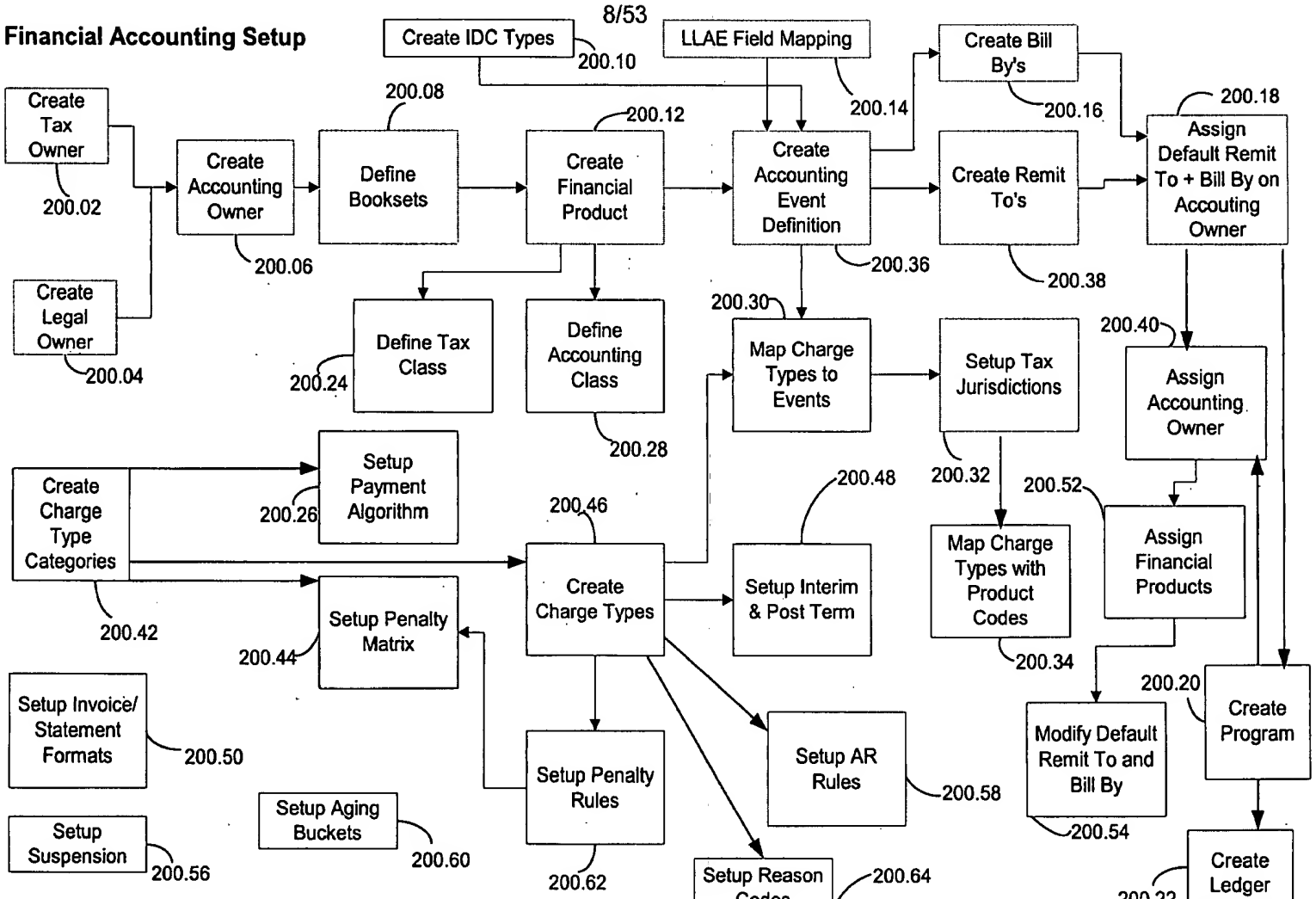

Financial Accounting Setup
Create IDC Types
200.10
LLAE Field Mapping
200.14
Create Bill By's
200.16
200.18
Assign Default Remit To + Bill By on Accouting Owner
Create Tax Owner
200.02
Create Accounting Owner
200.06
200.08
Define Booksets
200.12
Create Financial Product
Create Accounting Event Definition
200.36
Create Remit To's
200.38
Create Legal Owner
200.04
Define Tax Class
200.24
Define Accounting Class
200.28
200.30
Map Charge Types to Events
Setup Tax Jurisdictions
200.40
Assign Accounting Owner
Create Charge Type Categories
200.42
Setup Payment Algorithm
200.26
200.46
Create Charge Types
200.48
Setup Interim & Post Term
200.32
Map Charge Types with Product Codes
200.34
200.52
Assign Financial Products
Setup Penalty Matrix
200.44
Setup Invoice/ Statement Formats
200.50
Setup Penalty Rules
200.62
Setup AR Rules
200.58
Modify Default Remit To and Bill By
200.54
200.20
Create Program
Setup Aging Buckets
200.60
Setup Suspension
200.56
Setup Reason Codes
200.64
200.22
Create Ledger Modifiers

Fig. 7.200

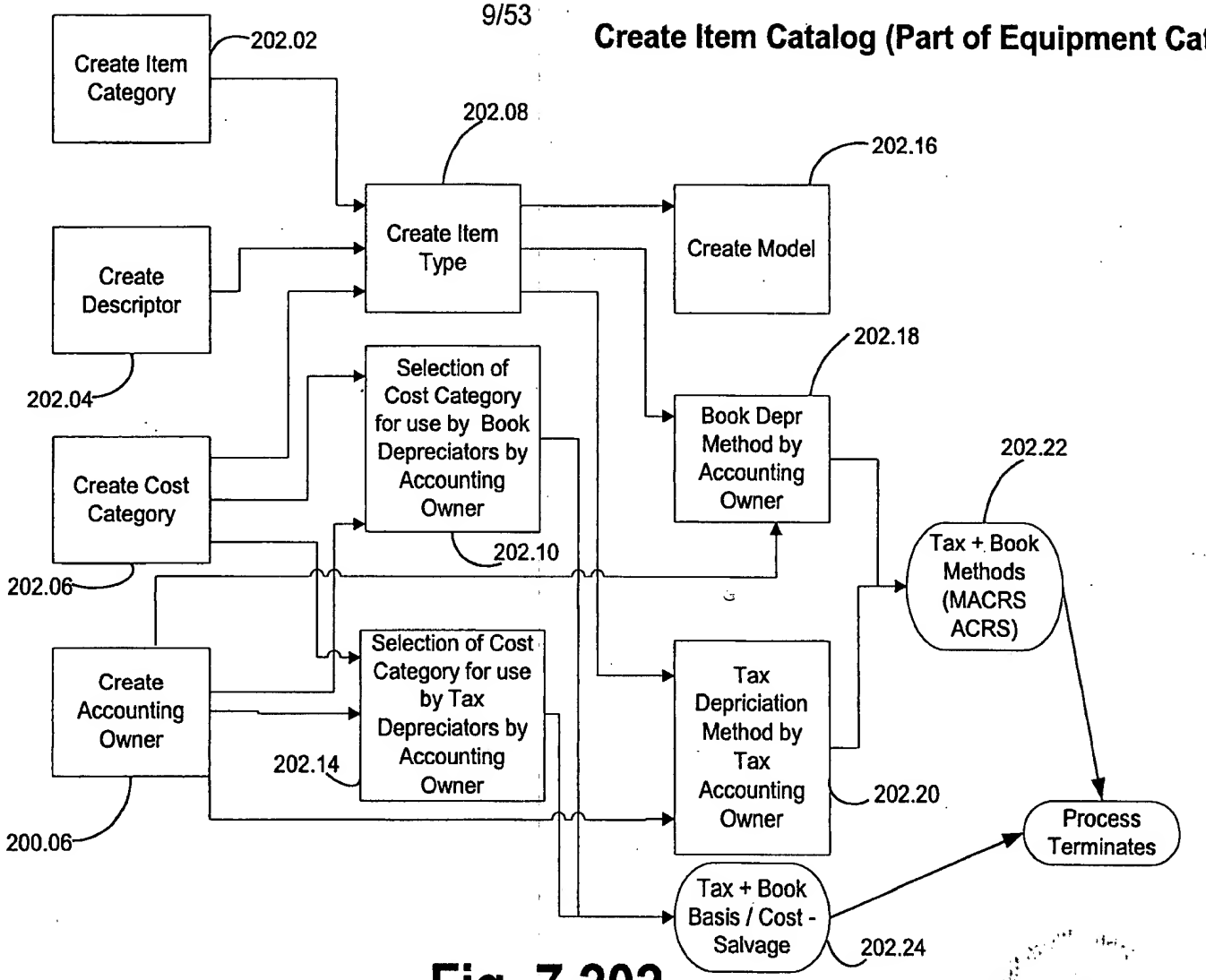

Create Item Catalog (Part of Equipment Catalog)
Create Item Category
202.02
Create Descriptor
202.04
Create Cost Category
202.06
Create Accounting Owner
200.06
Create Item Type
202.08
Selection of Cost Category for use by Book Depreciators by Accounting Owner
202.10
Selection of Cost Category for use by Tax Depreciators by Accounting Owner
202.14
Create Model
202.16
Book Depr Method by Accounting Owner
202.18
Tax Depriciation Method by Tax Accounting Owner
202.20
Tax + Book Basis / Cost - Salvage
202.24
Tax + Book Methods (MACRS ACRS)
202.22
Process Terminates

Fig. 7.202

Organization Setup (Create a Customer)

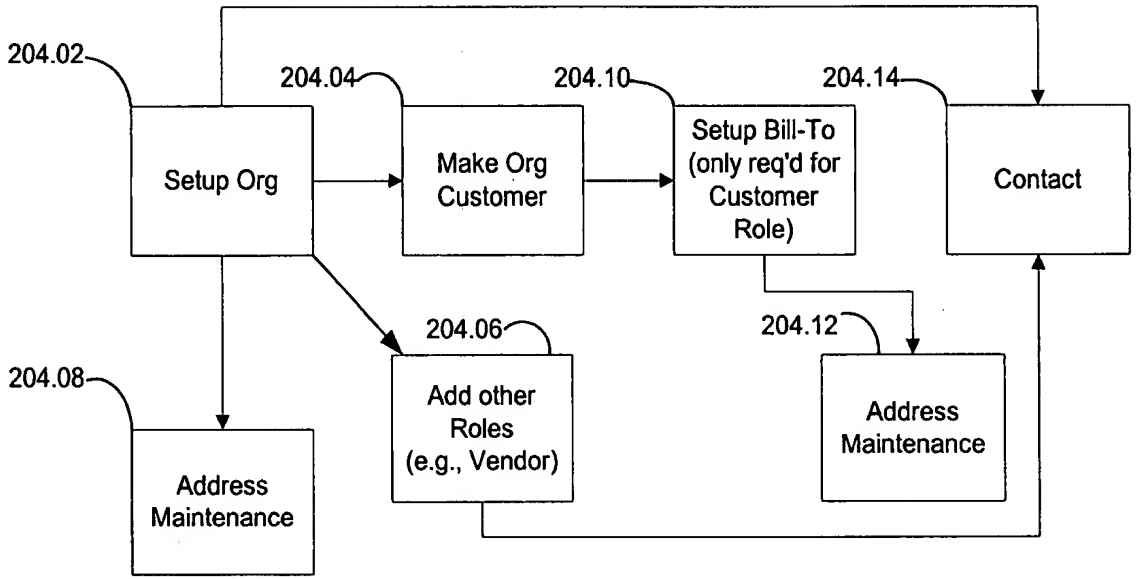


Fig. 7.204

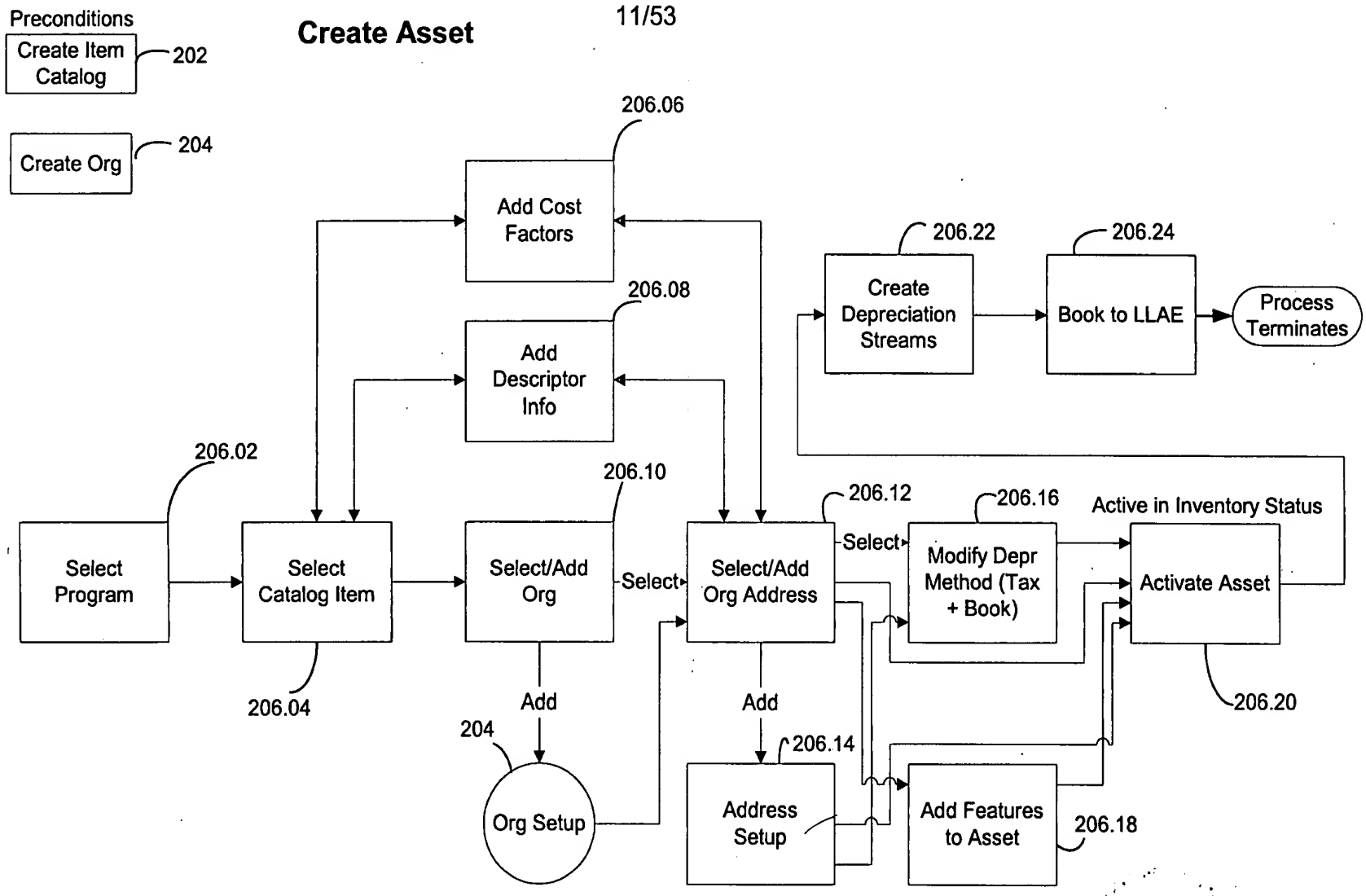

Create Asset
Preconditions
Create Item Catalog
202
Create Org
204
206.06
Add Cost Factors
206.08
Add Descriptor Info
206.22
Create Depreciation Streams
206.24
Book to LLAE
Process Terminates
206.02
Select Program
Select Catalog Item
206.04
206.10
Select/Add Org
Select
206.12
Select/Add Org Address
Select
206.16
Modify Depr Method (Tax + Book)
Active in Inventory Status
Activate Asset
206.20
Add
204
Org Setup
Add
206.14
Address Setup
Add Features to Asset
206.18

Fig. 7.206

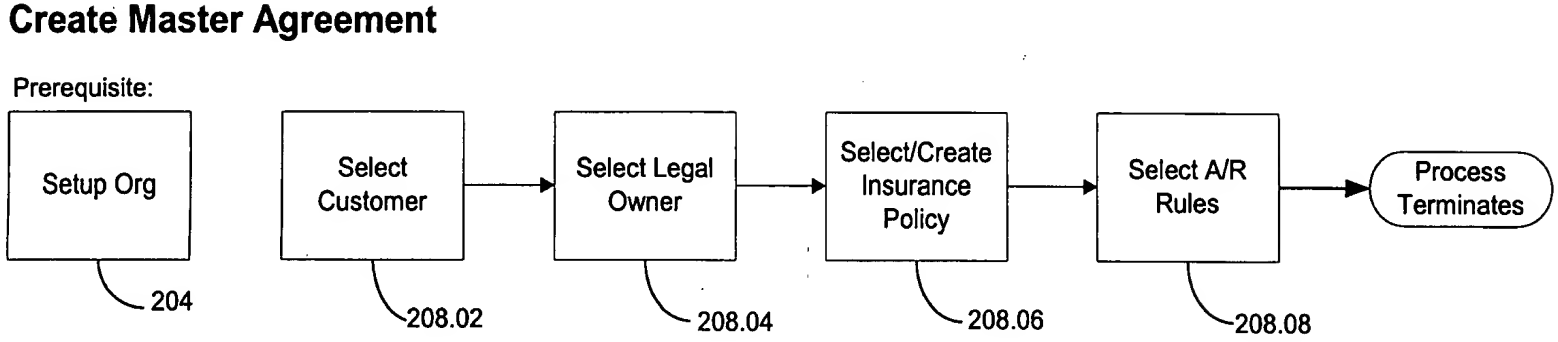

Create Master Agreement
Prerequisite:
Setup Org
204
Select Customer
208.02
Select Legal Owner
208.04
Select/Create Insurance Policy
208.06
Select A/R Rules
208.08
Process Terminates

Fig. 7.208

Create Agreement (Lease Schedule)

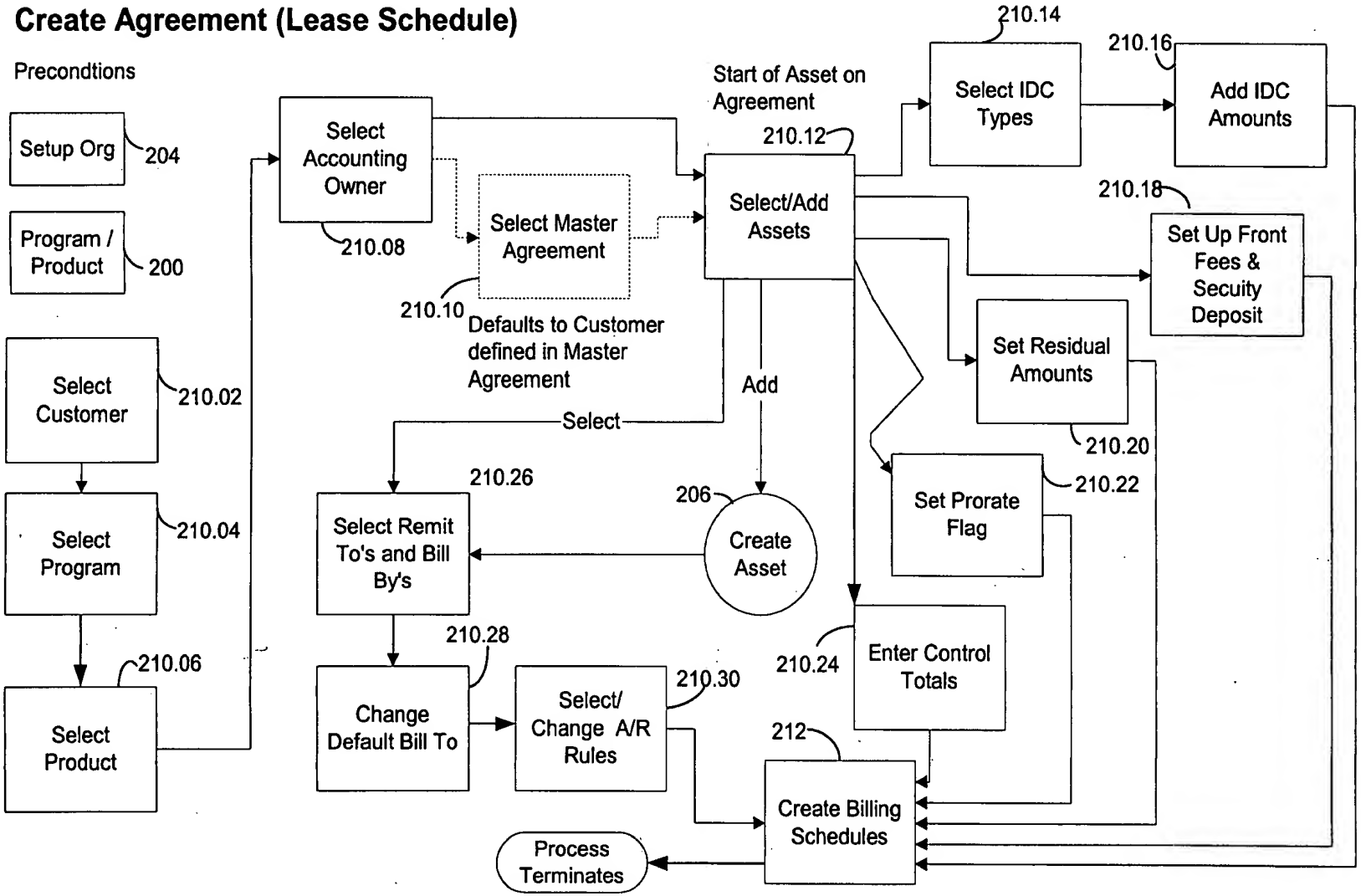


Fig. 7.210

Create Billing Schedule

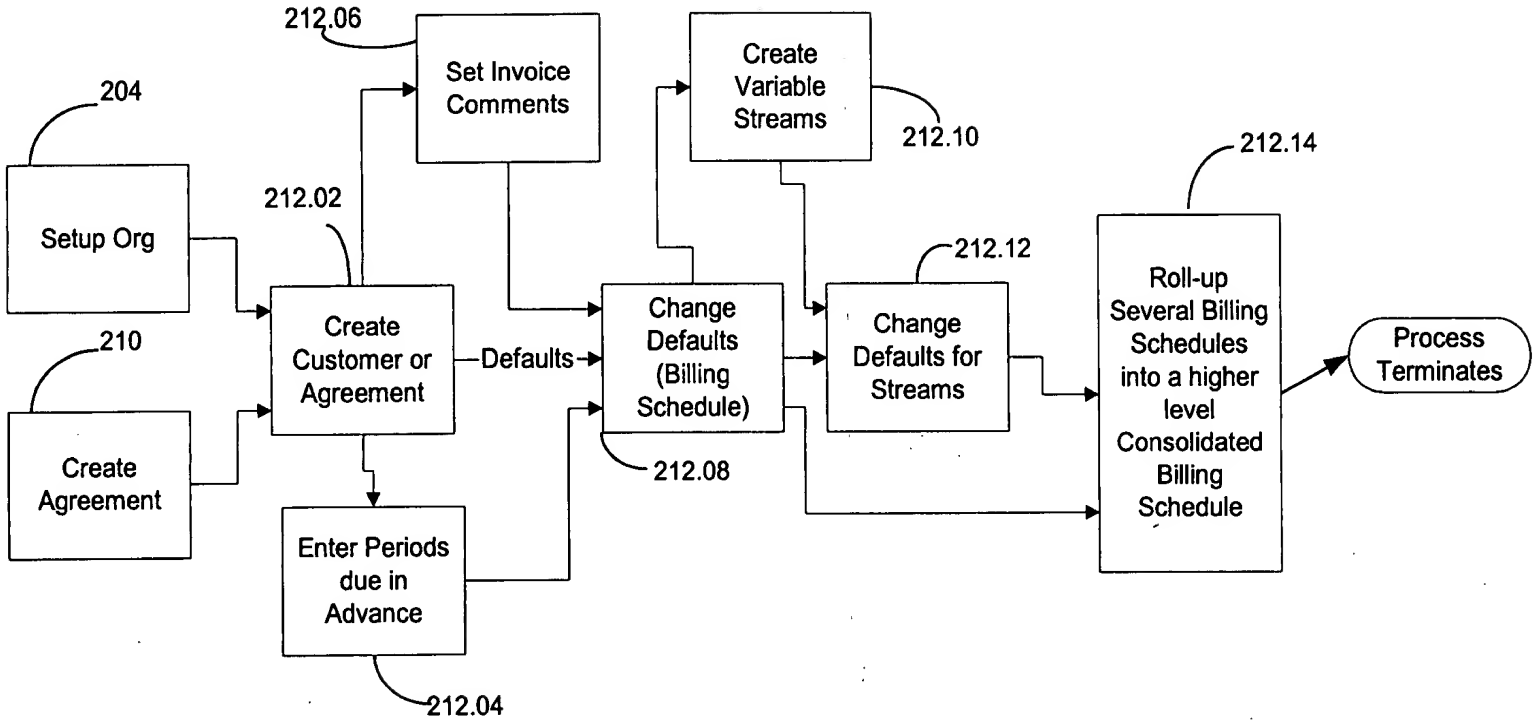


Fig. 7.212

Booking

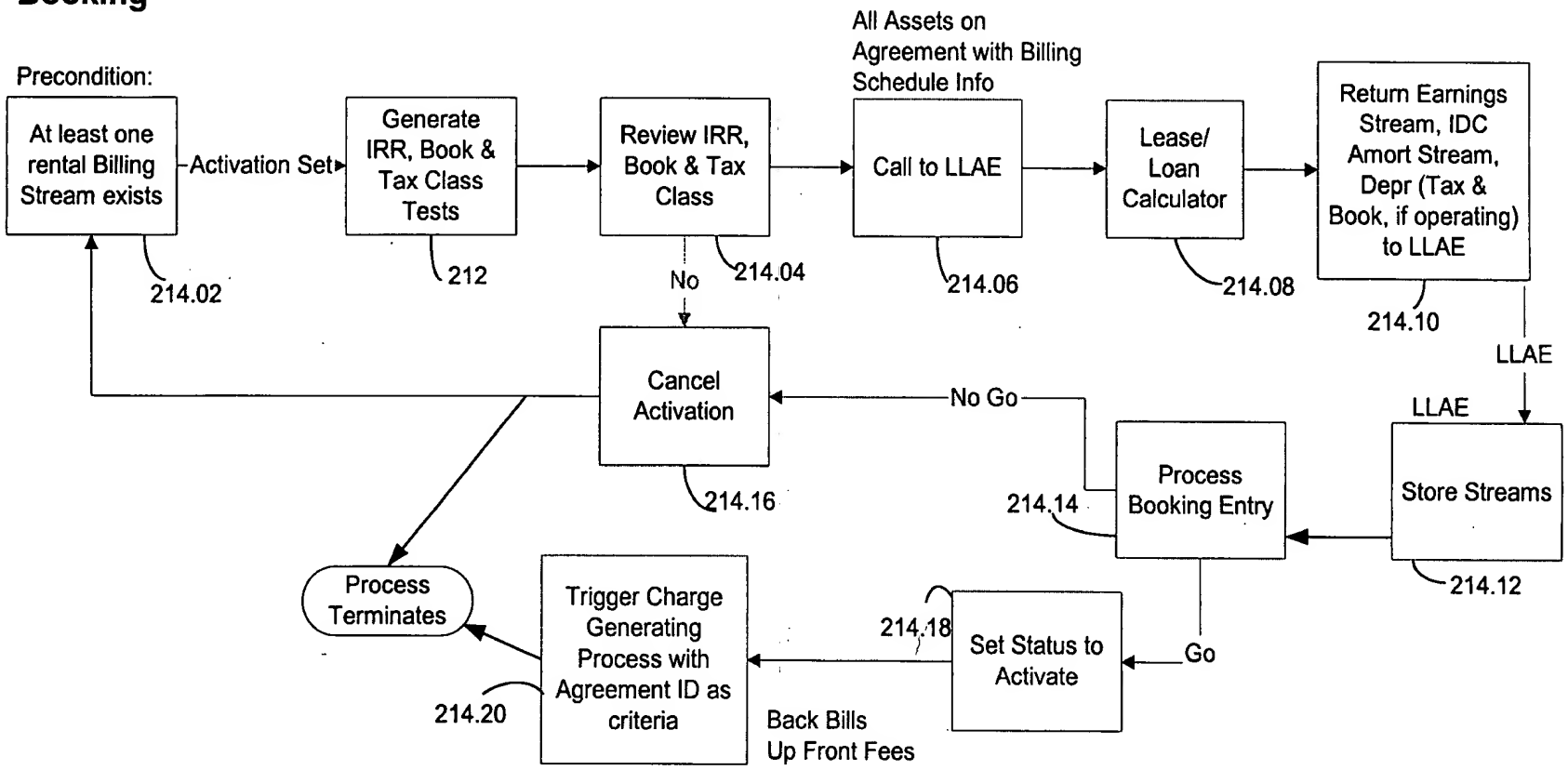


Fig. 7.214

Fig. 7.216a

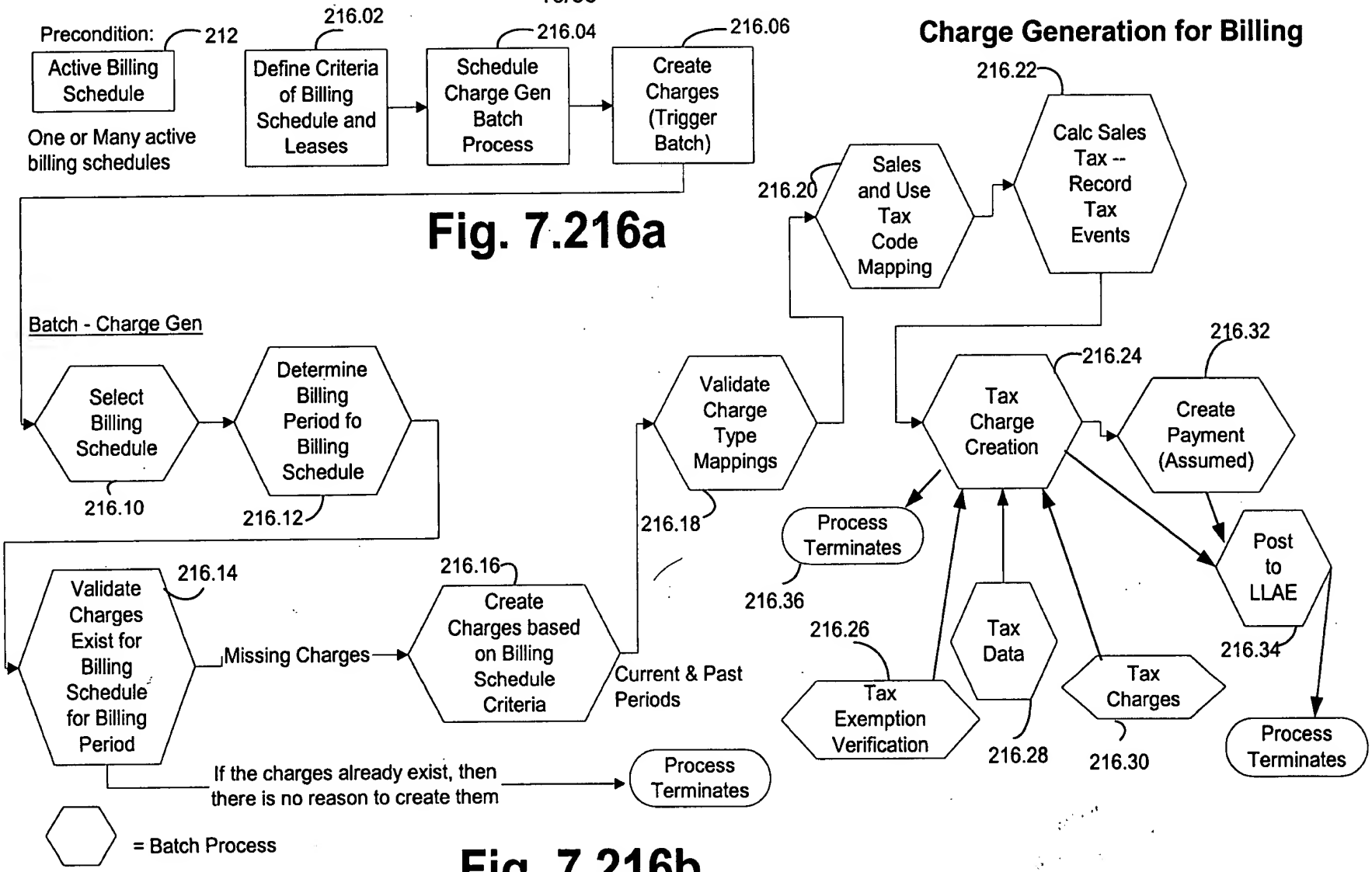


Fig. 7.216b

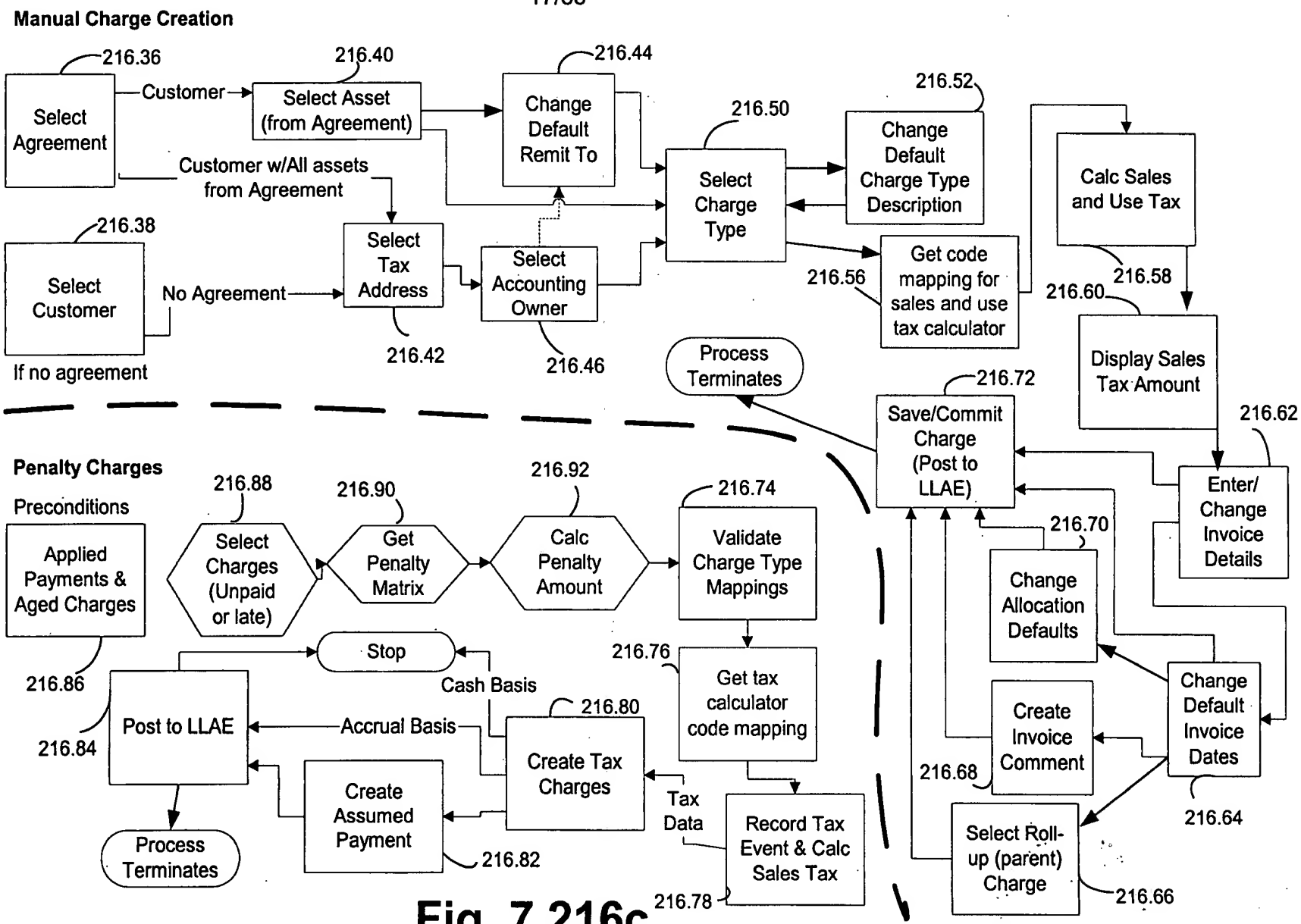

Manual Charge Creation
216.36
Select Agreement
Customer
216.40
Select Asset (from Agreement)
216.44
Change Default Remit To
216.50
Select Charge Type
216.52
Change Default Charge Type Description
Calc Sales and Use Tax
216.58
Customer w/All assets from Agreement
216.38
Select Customer
No Agreement
Select Tax Address
216.42
Select Accounting Owner
216.46
If no agreement
216.56
Get code mapping for sales and use tax calculator
216.60
Display Sales Tax Amount
Process Terminates
216.72
Save/Commit Charge (Post to LLAE)
216.62
Enter/ Change Invoice Details
Penalty Charges
Preconditions
Applied Payments & Aged Charges
216.86
216.88
Select Charges (Unpaid or late)
216.90
Get Penalty Matrix
216.92
Calc Penalty Amount
216.74
Validate Charge Type Mappings
216.70
Change Allocation Defaults
Stop
Cash Basis
216.76
Get tax calculator code mapping
Change Default Invoice Dates
216.64
Post to LLAE
216.84
Accrual Basis
216.80
Create Tax Charges
Create Invoice Comment
216.68
Create Assumed Payment
216.82
Tax Data
Record Tax Event & Calc Sales Tax
216.78
Select Roll-up (parent) Charge
216.66
Process Terminates

Fig. 7.216c

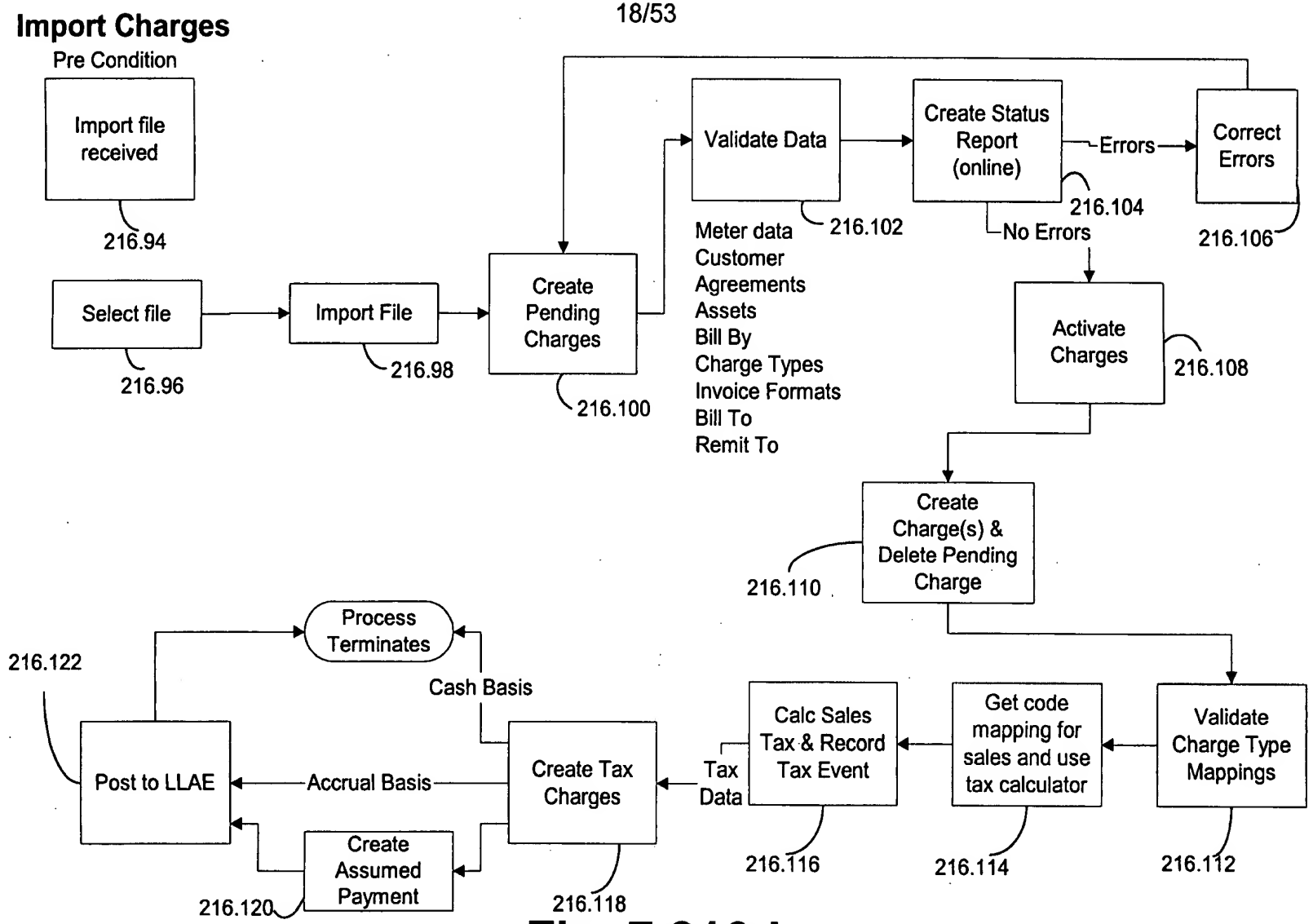

Import Charges
Pre Condition
Import file received
216.94
Select file
216.96
Import File
216.98
Create Pending Charges
216.100
Validate Data
216.102
Meter data
Customer Agreements
Assets
Bill By
Charge Types
Invoice Formats
Bill To
Remit To
Create Status Report (online)
Errors
Correct Errors
216.104
No Errors
216.106
Activate Charges
216.108
Create Charge(s) & Delete Pending Charge
216.110
Validate Charge Type Mappings
216.112
Get code mapping for sales and use tax calculator
216.114
Calc Sales Tax & Record Tax Event
216.116
Tax Data
Create Tax Charges
216.118
Cash Basis
Process Terminates
216.122
Post to LLAE
Accrual Basis
Create Assumed Payment
216.120

Fig. 7.216d

Invoicing

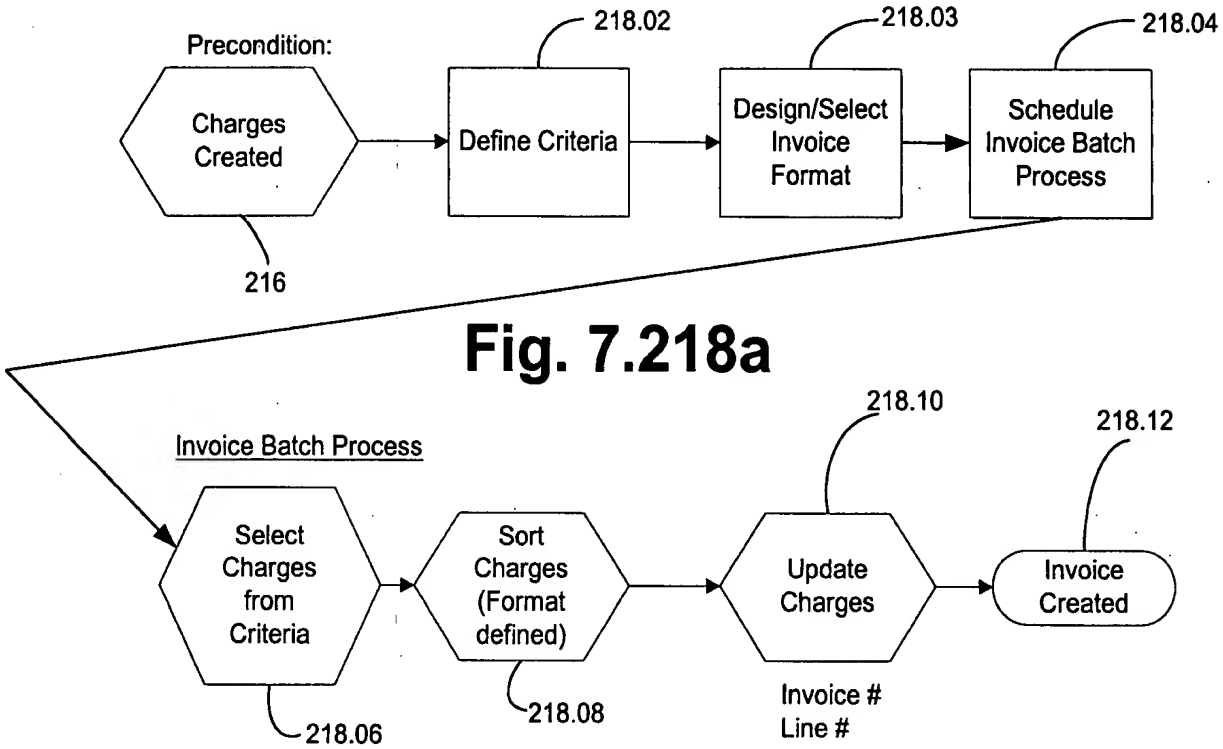


Fig. 7.218a

= Batch Process

Fig. 7.218b

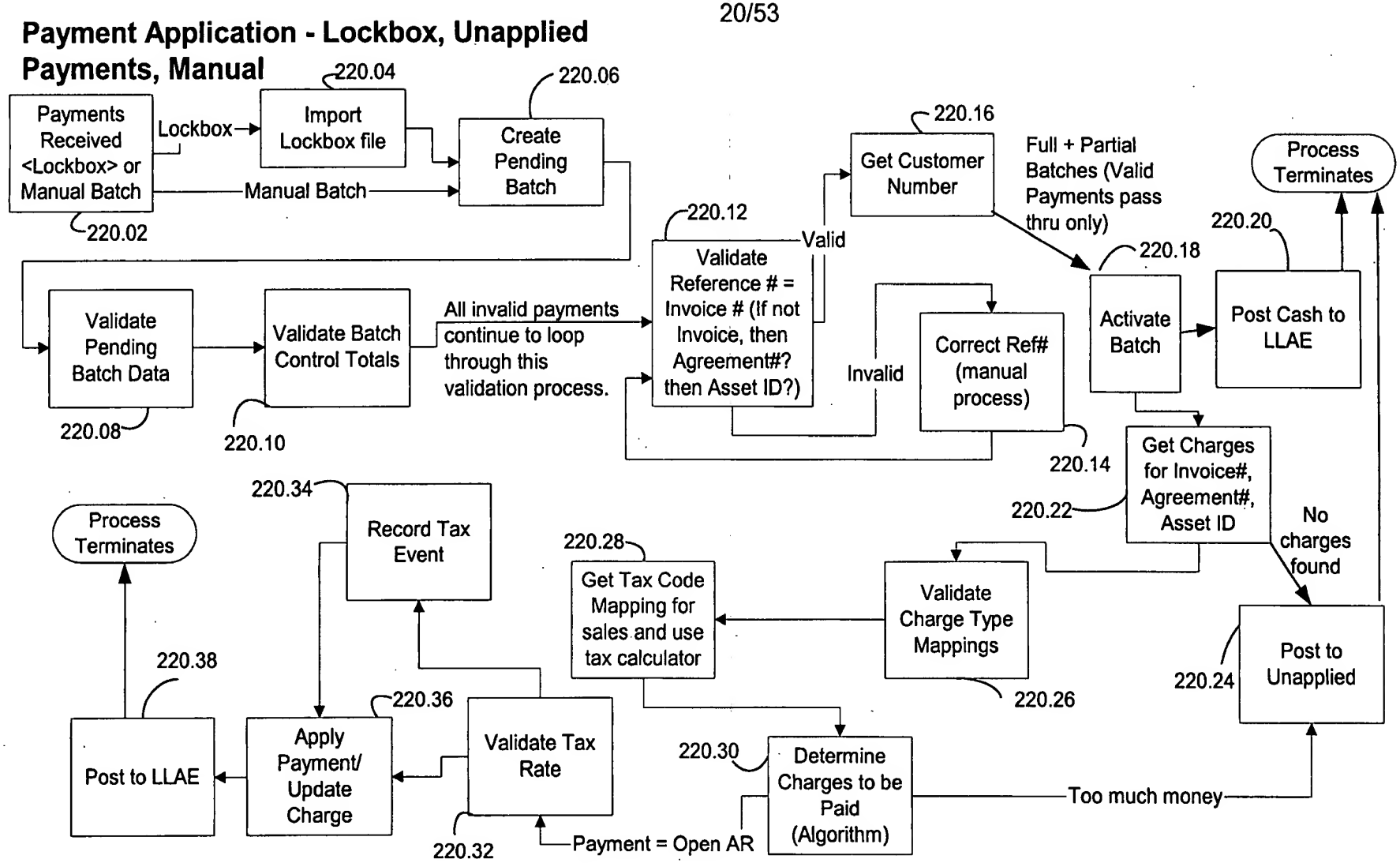

Payment Application - Lockbox, Unapplied Payments, Manual
Payments Received <Lockbox> or Manual Batch
220.02
Lockbox
Import Lockbox file
220.04
Manual Batch
Create Pending Batch
220.06
Validate Pending Batch Data
220.08
Validate Batch Control Totals
220.10
All invalid payments continue to loop through this validation process.
Validate Reference # = Invoice # (If not Invoice, then Agreement#? then Asset ID?)
220.12
Valid
Invalid
Get Customer Number
220.16
Full + Partial Batches (Valid Payments pass thru only)
Correct Ref# (manual process)
220.14
Activate Batch
220.18
Post Cash to LLAE
220.20
Process Terminates
Get Charges for Invoice#, Agreement#, Asset ID
220.22
No charges found
Validate Charge Type Mappings
220.26
Get Tax Code Mapping for sales and use tax calculator
220.28
Post to Unapplied
220.24
Record Tax Event
220.34
Process Terminates
220.38
Post to LLAE
Apply Payment/ Update Charge
220.36
Validate Tax Rate
220.32
Payment = Open AR
Determine Charges to be Paid (Algorithm)
220.30
Too much money

Fig. 7.220a

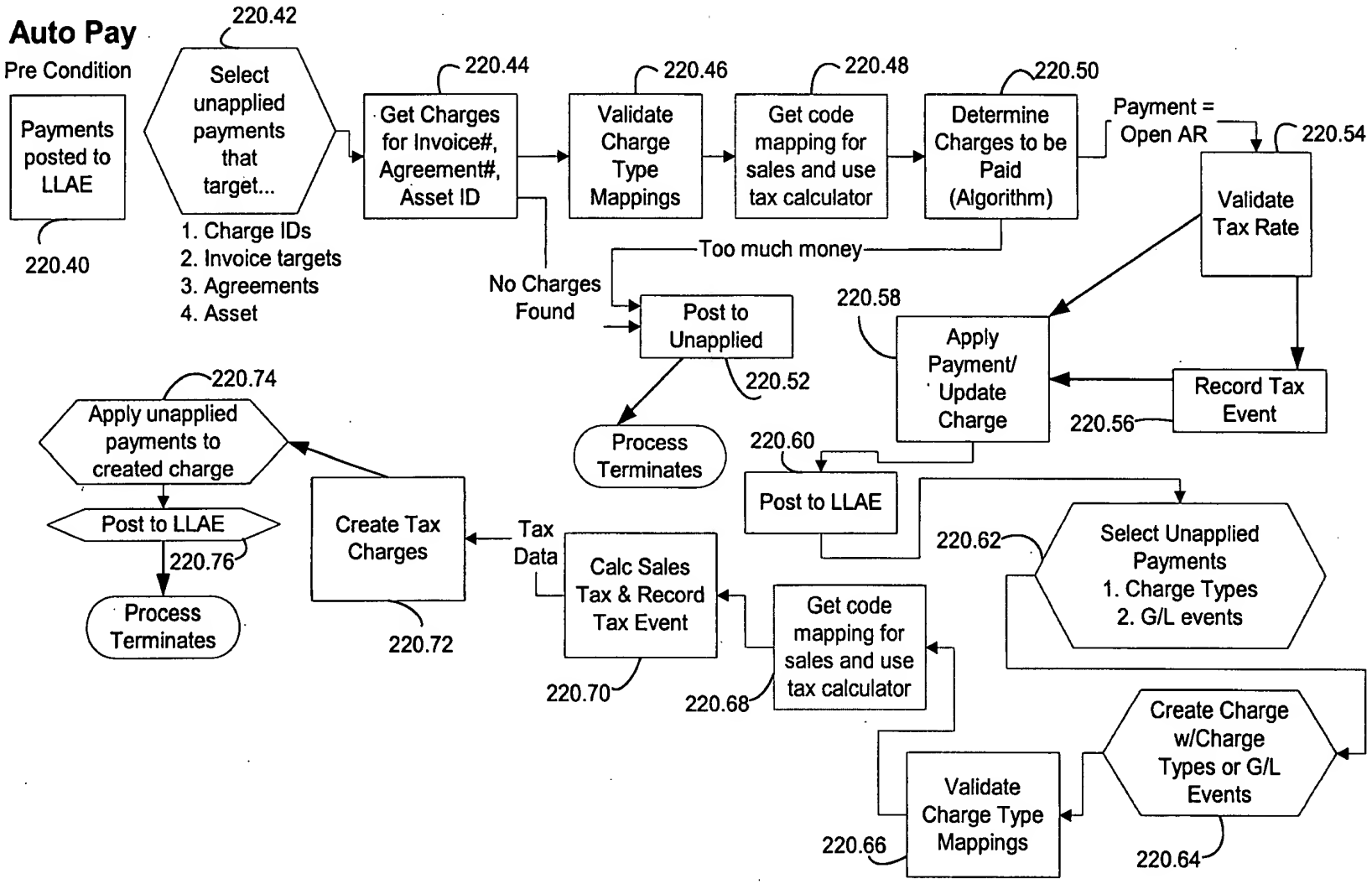

Auto Pay
Pre Condition
Payments posted to LLAE
220.40
220.42
Select unapplied payments that target...
1. Charge IDs
2. Invoice targets
3. Agreements
4. Asset
220.44
Get Charges for Invoice#, Agreement#, Asset ID
220.46
Validate Charge Type Mappings
220.48
Get code mapping for sales and use tax calculator
220.50
Determine Charges to be Paid (Algorithm)
Payment = Open AR
220.54
Validate Tax Rate
Too much money
No Charges Found
Post to Unapplied
220.52
220.58
Apply Payment/ Update Charge
Record Tax Event
220.56
Process Terminates
220.60
Post to LLAE
220.62
Select Unapplied Payments
1. Charge Types
2. G/L events
220.74
Apply unapplied payments to created charge
Post to LLAE
220.76
Process Terminates
Create Tax Charges
220.72
Tax Data
Calc Sales Tax & Record Tax Event
220.70
Get code mapping for sales and use tax calculator
220.68
Create Charge w/Charge Types or G/L Events
220.64
Validate Charge Type Mappings
220.66

Fig. 7.220b

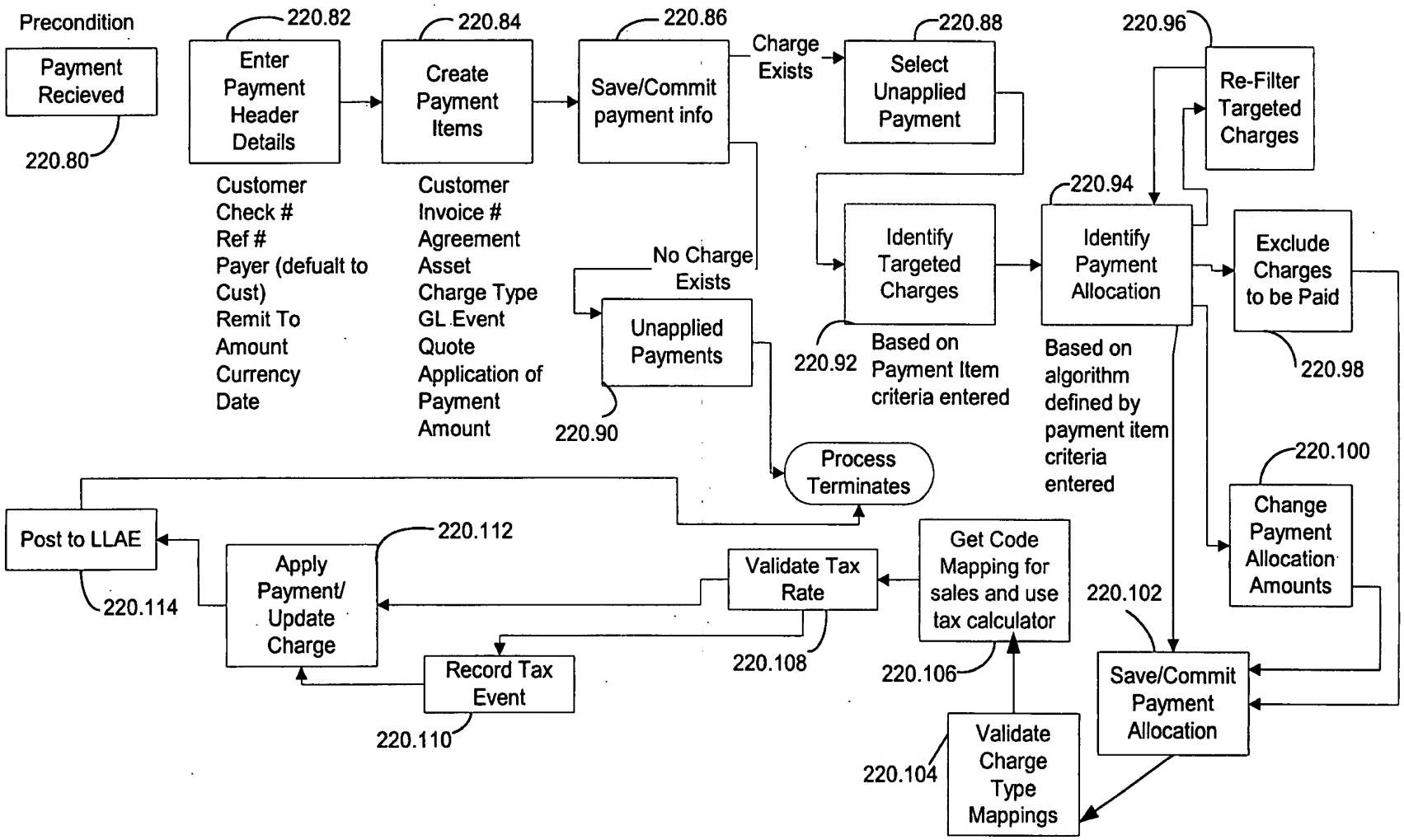

Manual Payment
Precondition
Payment Recieved
220.80
220.82
Enter Payment Header Details
Customer
Check #
Ref #
Payer (defualt to Cust)
Remit To
Amount
Currency
Date
220.84
Create Payment Items
Customer
Invoice #
Agreement
Asset
Charge Type
GL Event
Quote
Application of Payment
Amount
220.86
Save/Commit payment info
Charge Exists
220.88
Select Unapplied Payment
No Charge Exists
Unapplied Payments
220.90
Identify Targeted Charges
220.92
Based on Payment Item criteria entered
220.94
Identify Payment Allocation
Based on algorithm defined by payment item criteria entered
220.96
Re-Filter Targeted Charges
Exclude Charges to be Paid
220.98
220.100
Change Payment Allocation Amounts
Process Terminates
Post to LLAE
220.114
Apply Payment/ Update Charge
220.112
Validate Tax Rate
220.108
Record Tax Event
220.110
Get Code Mapping for sales and use tax calculator
220.106
220.102
Save/Commit Payment Allocation
Validate Charge Type Mappings
220.104

Fig. 7.220c

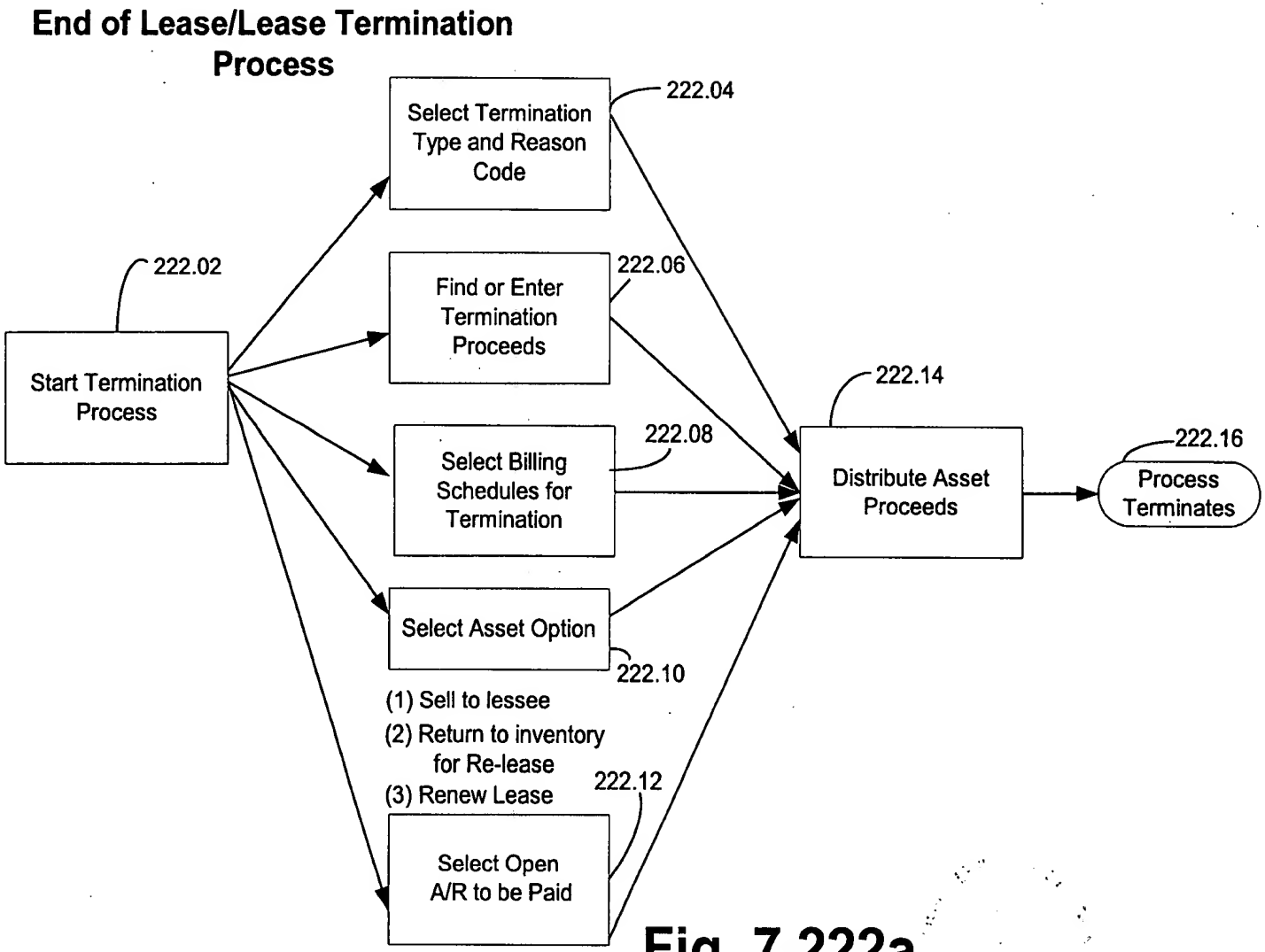

End of Lease/Lease Termination Process
Start Termination Process
222.02
Select Termination Type and Reason Code
222.04
Find or Enter Termination Proceeds
222.06
Select Billing Schedules for Termination
222.08
Select Asset Option
222.10
(1) Sell to lessee
(2) Return to inventory for Re-lease
(3) Renew Lease
Select Open A/R to be Paid
222.12
Distribute Asset Proceeds
222.14
Process Terminates
222.16

Fig. 7.222a

Asset Return to Inventory

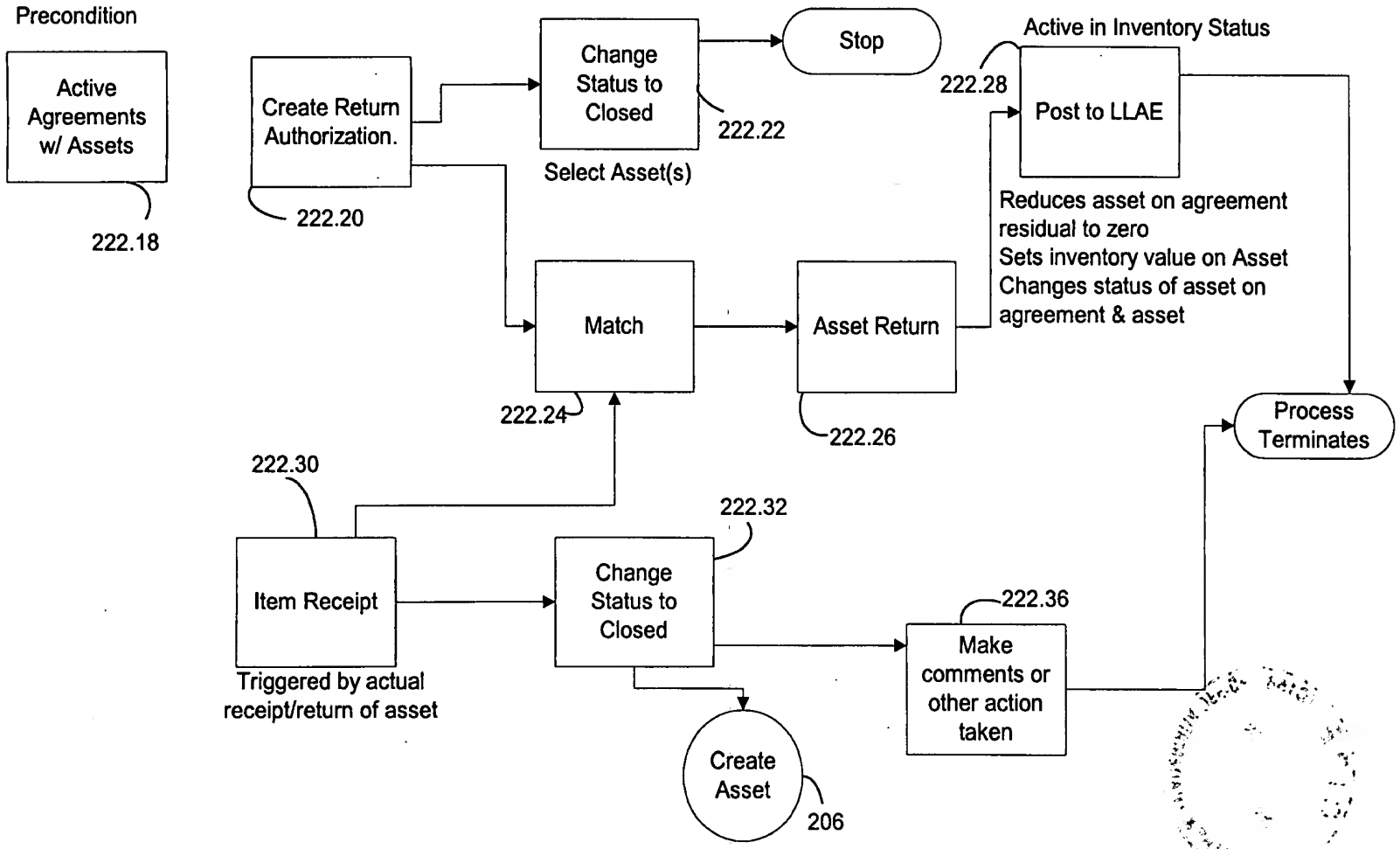


Fig. 7.222b

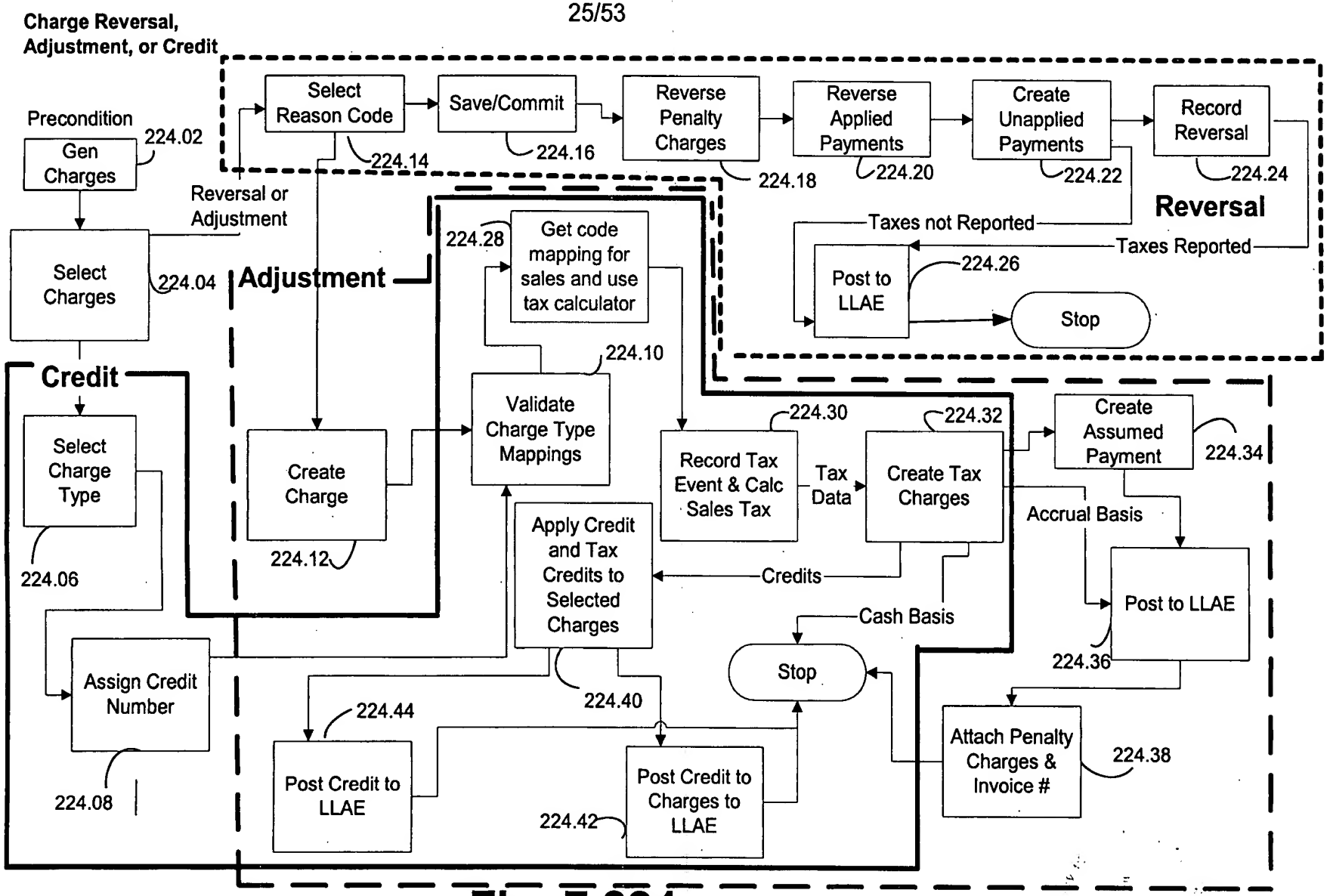

Charge Reversal, Adjustment, or Credit
Precondition
Gen Charges
224.02
Select Reason Code
224.14
Save/Commit
224.16
Reverse Penalty Charges
224.18
Reverse Applied Payments
224.20
Create Unapplied Payments
224.22
Record Reversal
224.24
Reversal
Taxes not Reported
Taxes Reported
Post to LLAE
224.26
Stop
Reversal or Adjustment
Select Charges
224.04
Adjustment
224.28
Get code mapping for sales and use tax calculator
224.10
Validate Charge Type Mappings
Credit
Select Charge Type
224.06
Create Charge
224.12
224.30
Record Tax Event & Calc Sales Tax
Tax Data
224.32
Create Tax Charges
Create Assumed Payment
224.34
Accrual Basis
Apply Credit and Tax Credits to Selected Charges
Credits
Cash Basis
Post to LLAE
224.36
Assign Credit Number
224.08
Stop
224.40
224.44
Post Credit to LLAE
Post Credit to Charges to LLAE
224.42
Attach Penalty Charges & Invoice #
224.38

Fig. 7.224

Unbook

No A/R Earnings

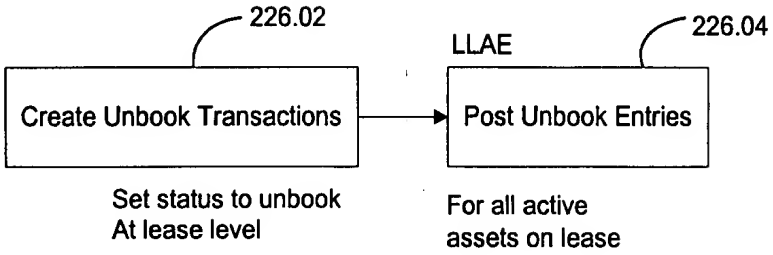


Fig. 7.226a

Billed A/R Earnings

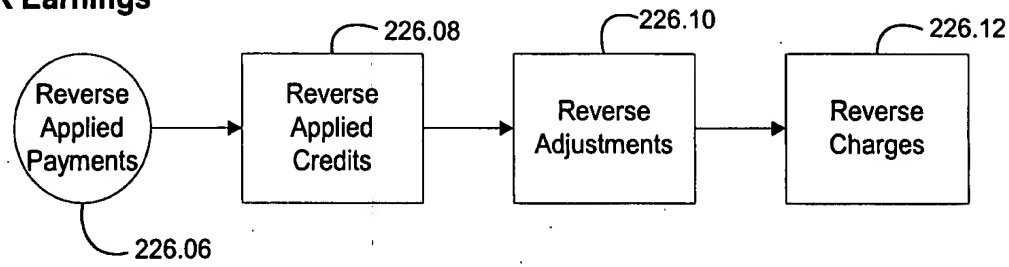


Fig. 7.226b

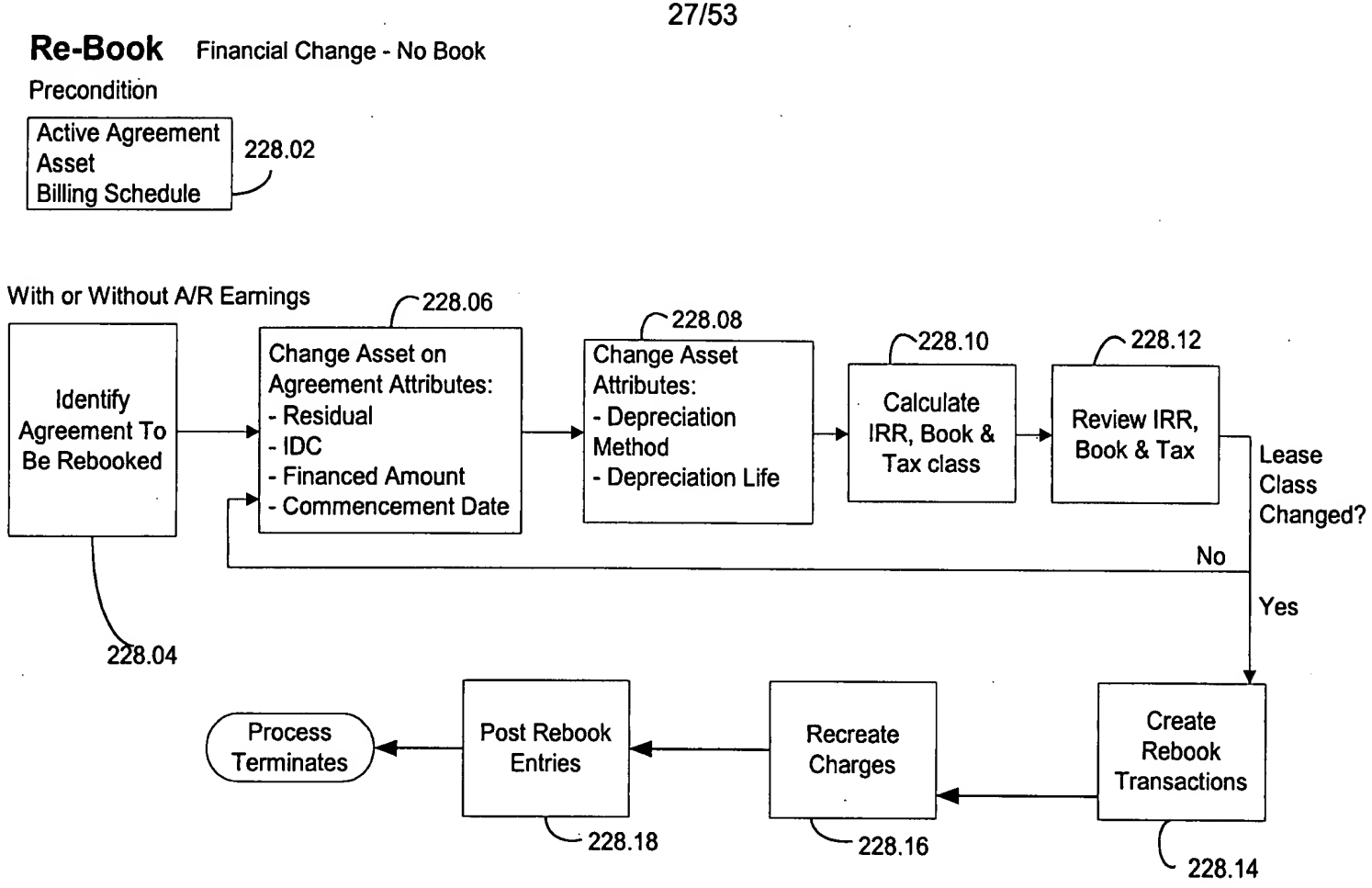

Re-Book
Financial Change - No Book
Precondition
Active Agreement
Asset
Billing Schedule
228.02
With or Without A/R Earnings
228.06
Change Asset on Agreement Attributes:
- Residual
- IDC
- Financed Amount
- Commencement Date
228.08
Change Asset Attributes:
- Depreciation Method
- Depreciation Life
228.10
Calculate IRR, Book & Tax class
228.12
Review IRR, Book & Tax
Lease Class Changed?
No
Yes
Identify Agreement To Be Rebooked
228.04
Create Rebook Transactions
228.14
Recreate Charges
228.16
Post Rebook Entries
228.18
Process Terminates

Fig. 7.228a

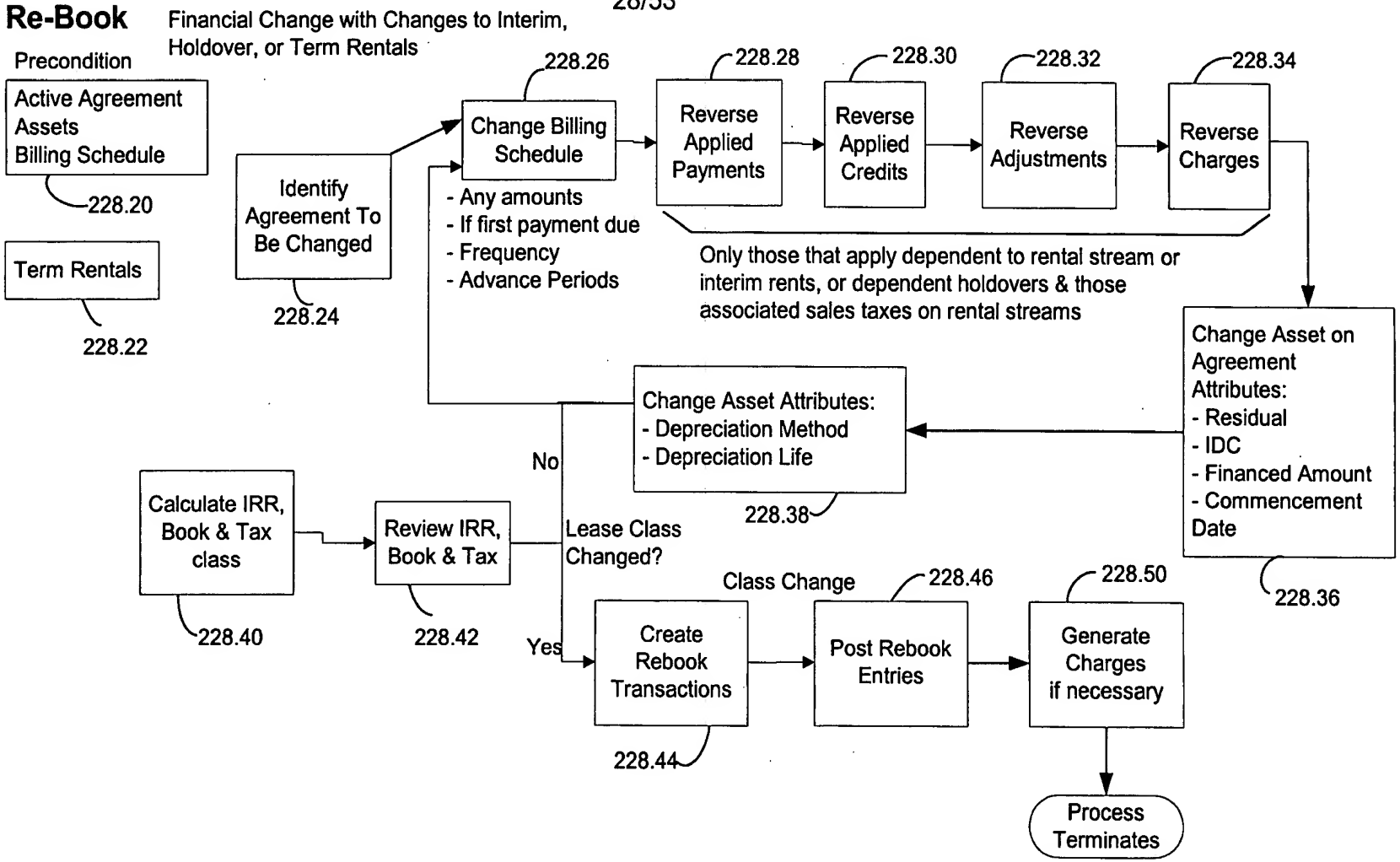

Re-Book
Financial Change with Changes to Interim, Holdover, or Term Rentals
Precondition
Active Agreement Assets Billing Schedule
228.20
Term Rentals
228.22
Identify Agreement To Be Changed
228.24
228.26
Change Billing Schedule
- Any amounts
- If first payment due
- Frequency
- Advance Periods
228.28
Reverse Applied Payments
228.30
Reverse Applied Credits
228.32
Reverse Adjustments
228.34
Reverse Charges
Only those that apply dependent to rental stream or interim rents, or dependent holdovers & those associated sales taxes on rental streams
Change Asset on Agreement Attributes:
- Residual
- IDC
- Financed Amount
- Commencement Date
228.36
Change Asset Attributes:
- Depreciation Method
- Depreciation Life
228.38
No
Lease Class Changed?
Calculate IRR, Book & Tax class
228.40
Review IRR, Book & Tax
228.42
Yes
Class Change
Create Rebook Transactions
228.44
228.46
Post Rebook Entries
228.50
Generate Charges if necessary
Process Terminates

Fig. 7.228b

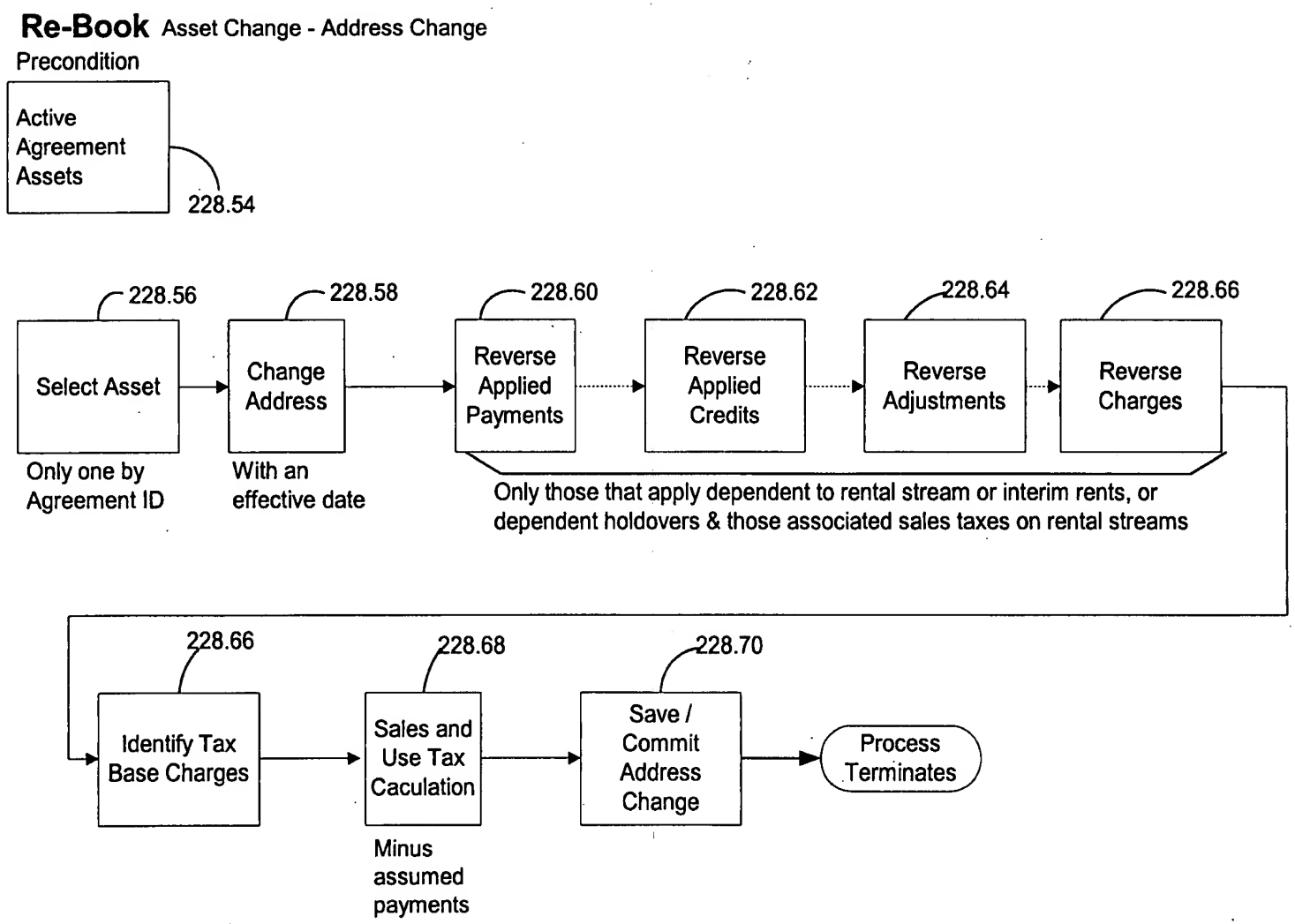

Re-Book Asset Change - Address Change
Precondition
Active Agreement Assets
228.54
228.56
Select Asset
Only one by Agreement ID
228.58
Change Address
With an effective date
228.60
Reverse Applied Payments
228.62
Reverse Applied Credits
228.64
Reverse Adjustments
228.66
Reverse Charges
Only those that apply dependent to rental stream or interim rents, or dependent holdovers & those associated sales taxes on rental streams
228.66
Identify Tax Base Charges
228.68
Sales and Use Tax Caculation
Minus assumed payments
228.70
Save / Commit Address Change
Process Terminates

Fig. 7.228c

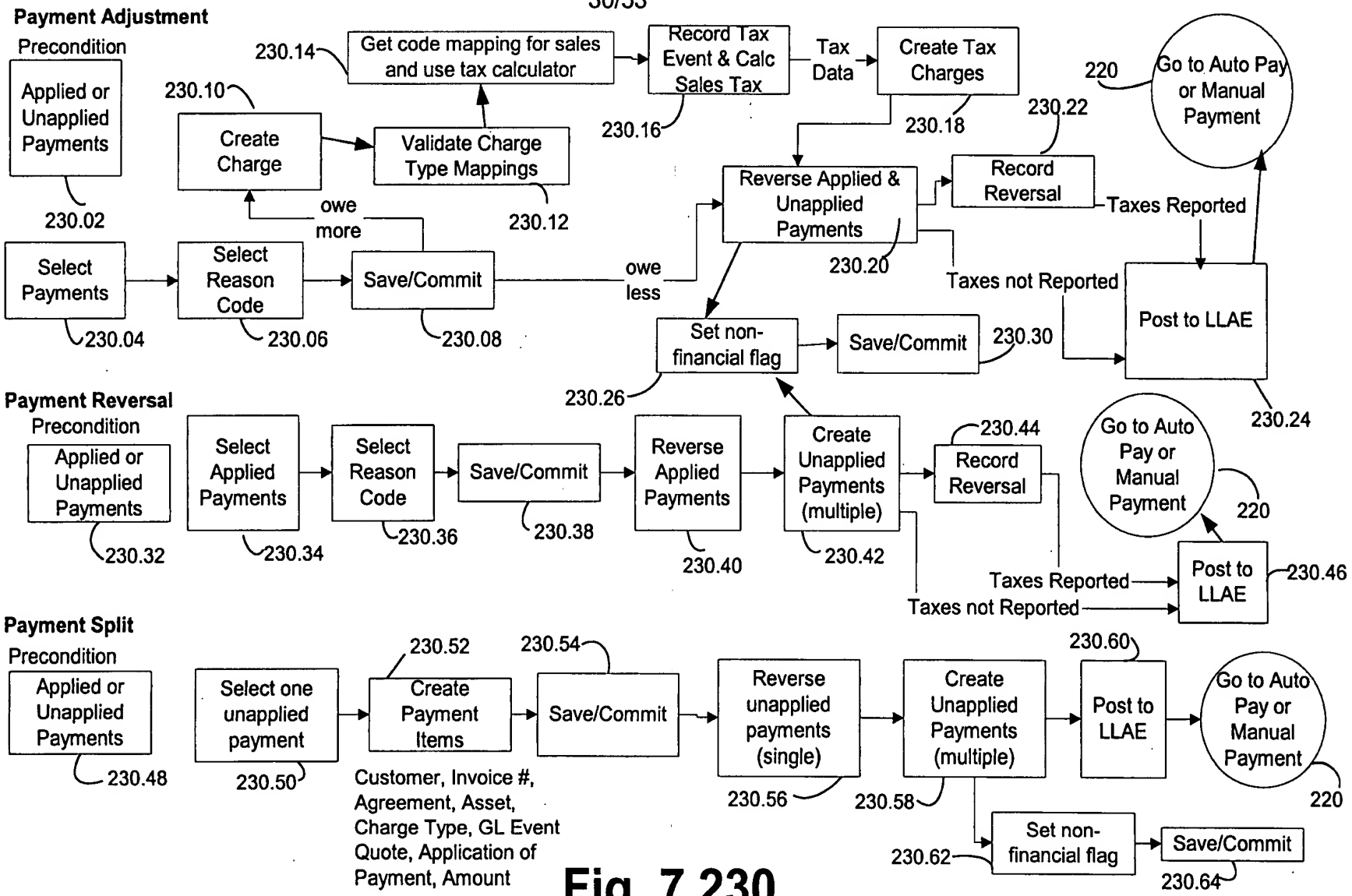

Payment Adjustment
Precondition
Applied or Unapplied Payments
230.02
Select Payments
230.04
Select Reason Code
230.06
Save/Commit
230.08
owe more
Create Charge
230.10
Validate Charge Type Mappings
230.12
Get code mapping for sales and use tax calculator
230.14
Record Tax Event & Calc Sales Tax
230.16
Tax Data
Create Tax Charges
230.18
owe less
Reverse Applied & Unapplied Payments
230.20
Record Reversal
230.22
Taxes Reported
Taxes not Reported
Go to Auto Pay or Manual Payment
220
Post to LLAE
230.24
Set non-financial flag
230.26
Save/Commit
230.30
Payment Reversal
Precondition
Applied or Unapplied Payments
230.32
Select Applied Payments
230.34
Select Reason Code
230.36
Save/Commit
230.38
Reverse Applied Payments
230.40
Create Unapplied Payments (multiple)
230.42
Record Reversal
230.44
Go to Auto Pay or Manual Payment
220
Post to LLAE
230.46
Taxes Reported
Taxes not Reported
Payment Split
Precondition
Applied or Unapplied Payments
230.48
Select one unapplied payment
230.50
Create Payment Items
230.52
Customer, Invoice #, Agreement, Asset, Charge Type, GL Event Quote, Application of Payment, Amount
Save/Commit
230.54
Reverse unapplied payments (single)
230.56
Create Unapplied Payments (multiple)
230.58
Post to LLAE
230.60
Go to Auto Pay or Manual Payment
220
Set non-financial flag
230.62
Save/Commit
230.64

Fig. 7.230

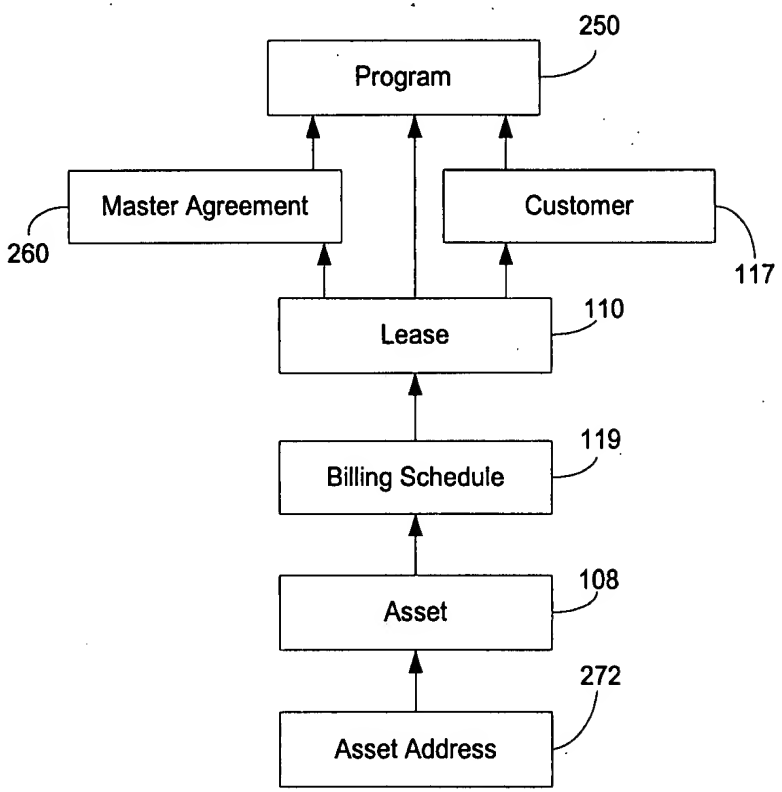
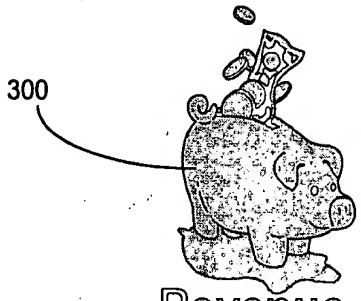

250
Program
Master Agreement
260
Customer
117
110
Lease
119
Billing Schedule
108
Asset
272
Asset Address

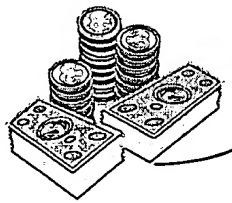
Fig. 8

Passthru Charges Are Tracked at Either the Asset or the Lease Level:

- Maintenance Billings
- Sales/use Tax on Billings
- Insurance
- Property Tax
- Purchase Tax
- Sales/use Tax on Disposition



Revenue



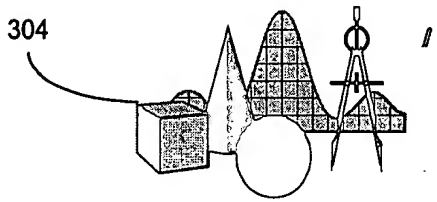
PassThru Charges

Most Revenue Figures Are Generated at the Lease Level:

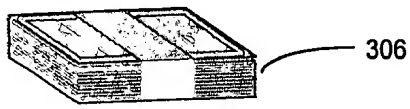
- Billing Schedule - Original Term(s)
- Manual Charges
- Fees
- Holdovers
- Renewals
- Termination Proceeds
- Disposition Proceeds Are Tracked at the Asset Level

Expense Figures Are Generated at Either the Asset or the Lease Level:

- Initial Direct Costs
- Commissions
- Depreciation of Capitalized Costs
- Expensed Cost Factors



Asset Management



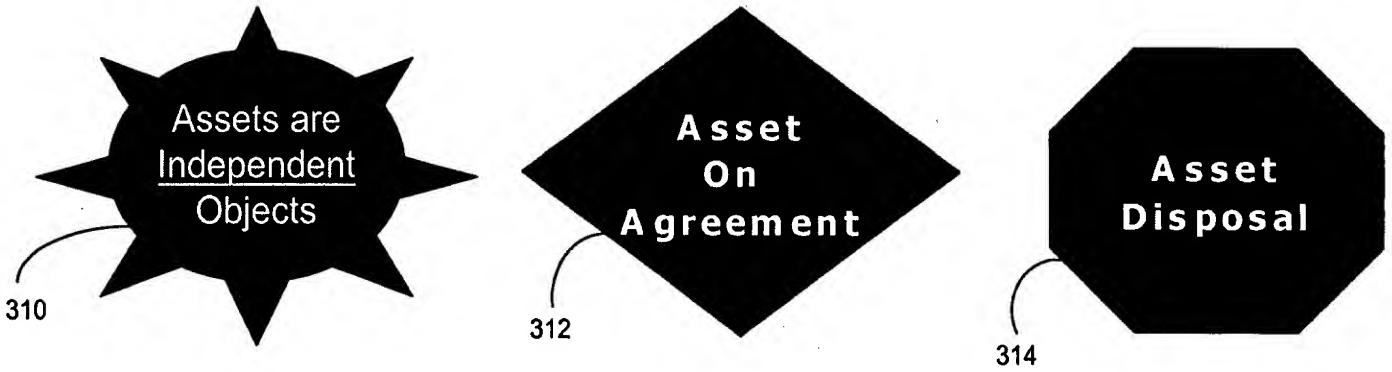
Expenses

Inventory Tracking Information Is Managed at the Asset Level:

- On Lease
- Off Lease
- Physical Location
- Splits (If Applicable)
- Return Authorization(s)
- Return Tracking
- Grouping and Linking

Fig. 9

Asset Based Functionality
Creation Through Disposition



An asset is endowed with certain inalienable qualities by its creator.

Each asset has a unique identity, a location, and the ability to generate revenue, incur costs, and serve as a conduit for funds.

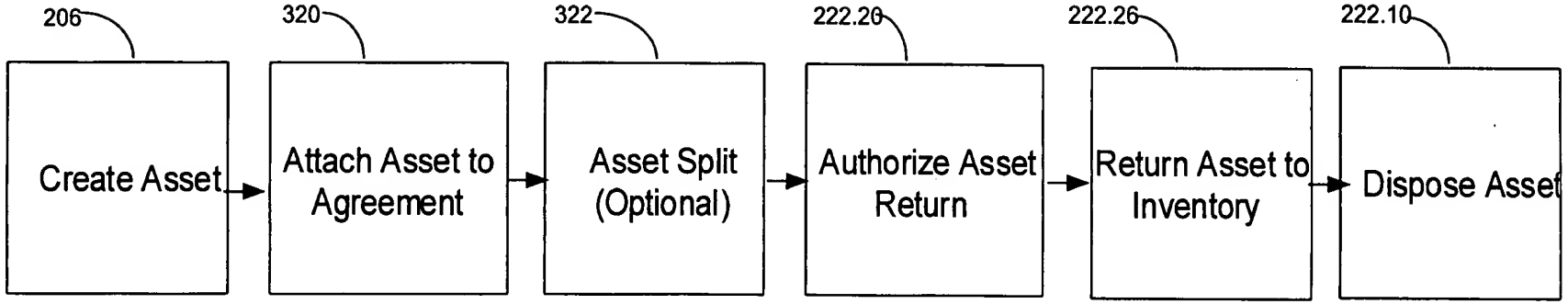
Generally an asset is attached to one or more lease agreements for as much of its useful life as possible.

Throughout the portion of its life spent on lease, however, the asset retains its full complement of inalienable qualities.

At its disposition, an asset can calculate its overall return, regardless of the number of leases it has been attached to or the various configurations in which it has participated.

Fig. 10

Asset Lifecycle Overview



Enter required information, such as Manufacturer, Equipment Type, Model, etc.

Asset may be activated and book and/or tax depreciate in inventory.

Attaching an asset to an agreement removes it from available inventory and assigns lease-specific values such as tax status, IDC and booked residual value.

Splitting an asset recreates all financial attributes and permits the addition of new assets to an existing agreement.

Authorizing the return of an asset assigns it a return authorization number, pending return date and a pending status.

Returning an asset to inventory assigns it a date of return and status making it available for disposal or re-lease.

Disposing of an asset requires the entry of a disposition reason code and includes sales tax and proceeds information if applicable.

Fig. 11

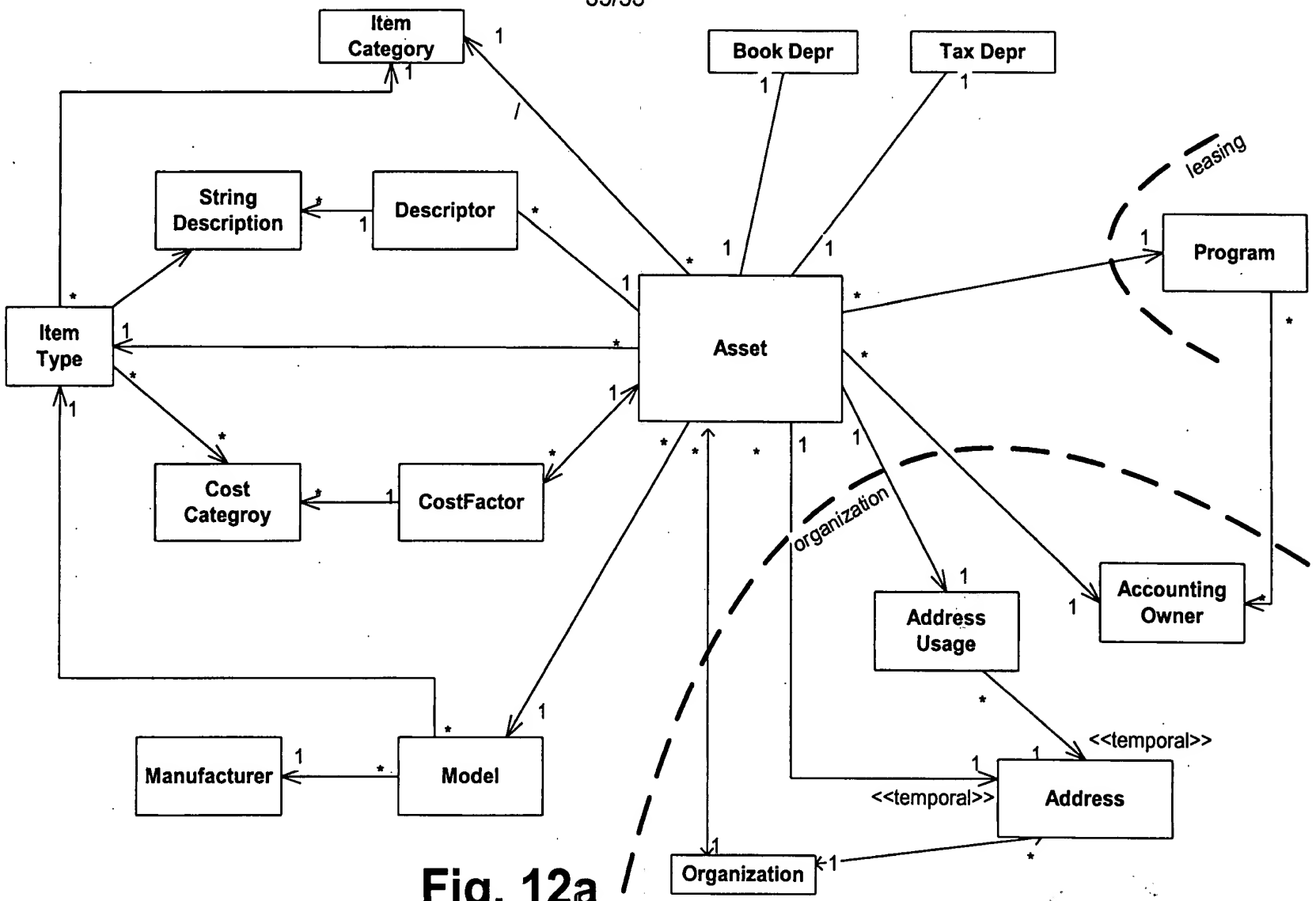

Item Category
Book Depr
Tax Depr
leasing
String Description
Descriptor
Program
Item Type
Asset
Cost Categroy
CostFactor
organization
Accounting Owner
Address Usage
<<temporal>>
Manufacturer
Model
<<temporal>>
Address
Organization

Fig. 12a

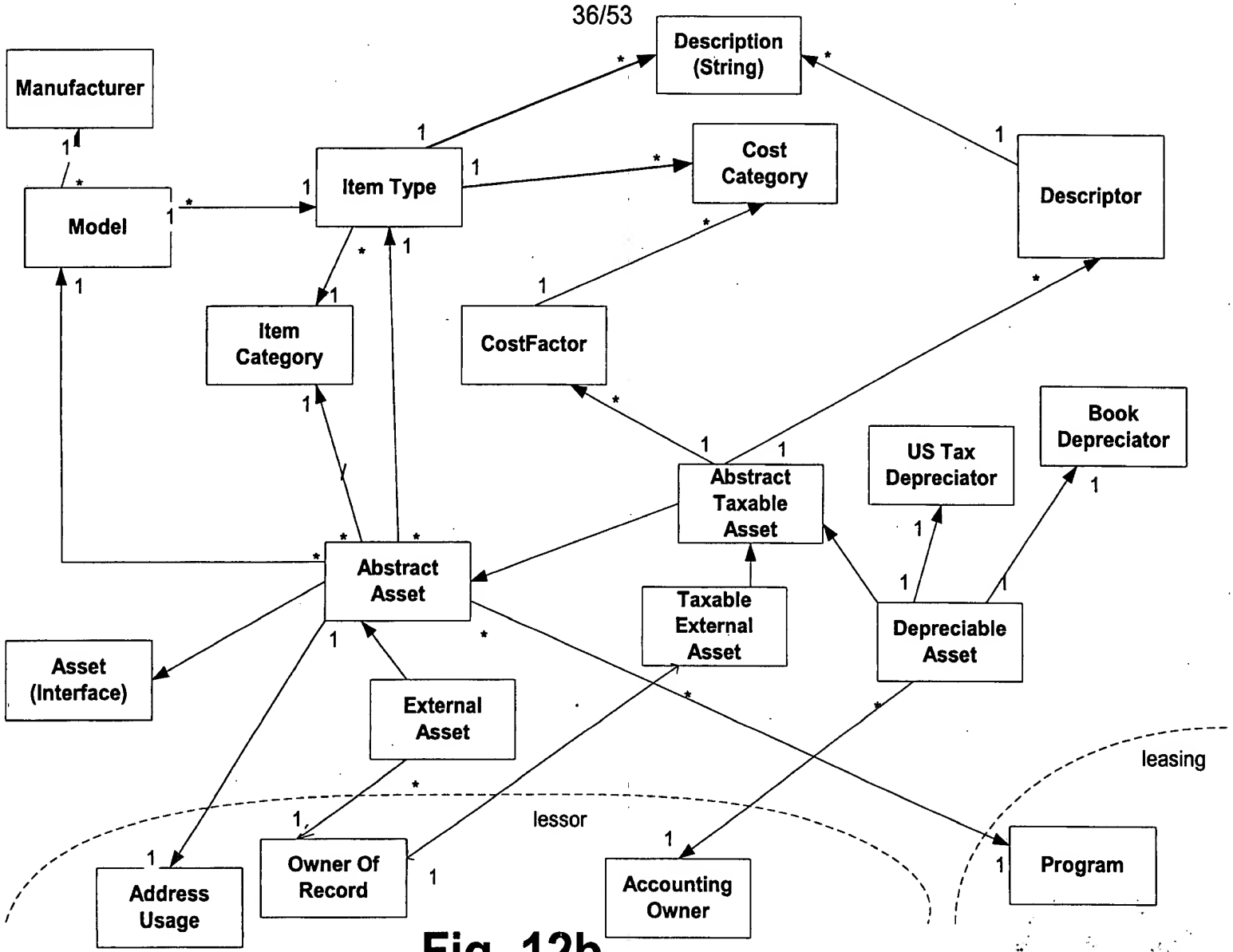

Manufacturer
Description (String)
Model
Item Type
Cost Category
Descriptor
Item Category
CostFactor
Book Depreciator
US Tax Depreciator
Abstract Taxable Asset
Abstract Asset
Taxable External Asset
Depreciable Asset
Asset (Interface)
External Asset
leasing
lessor
Address Usage
Owner Of Record
Accounting Owner
Program

Fig. 12b

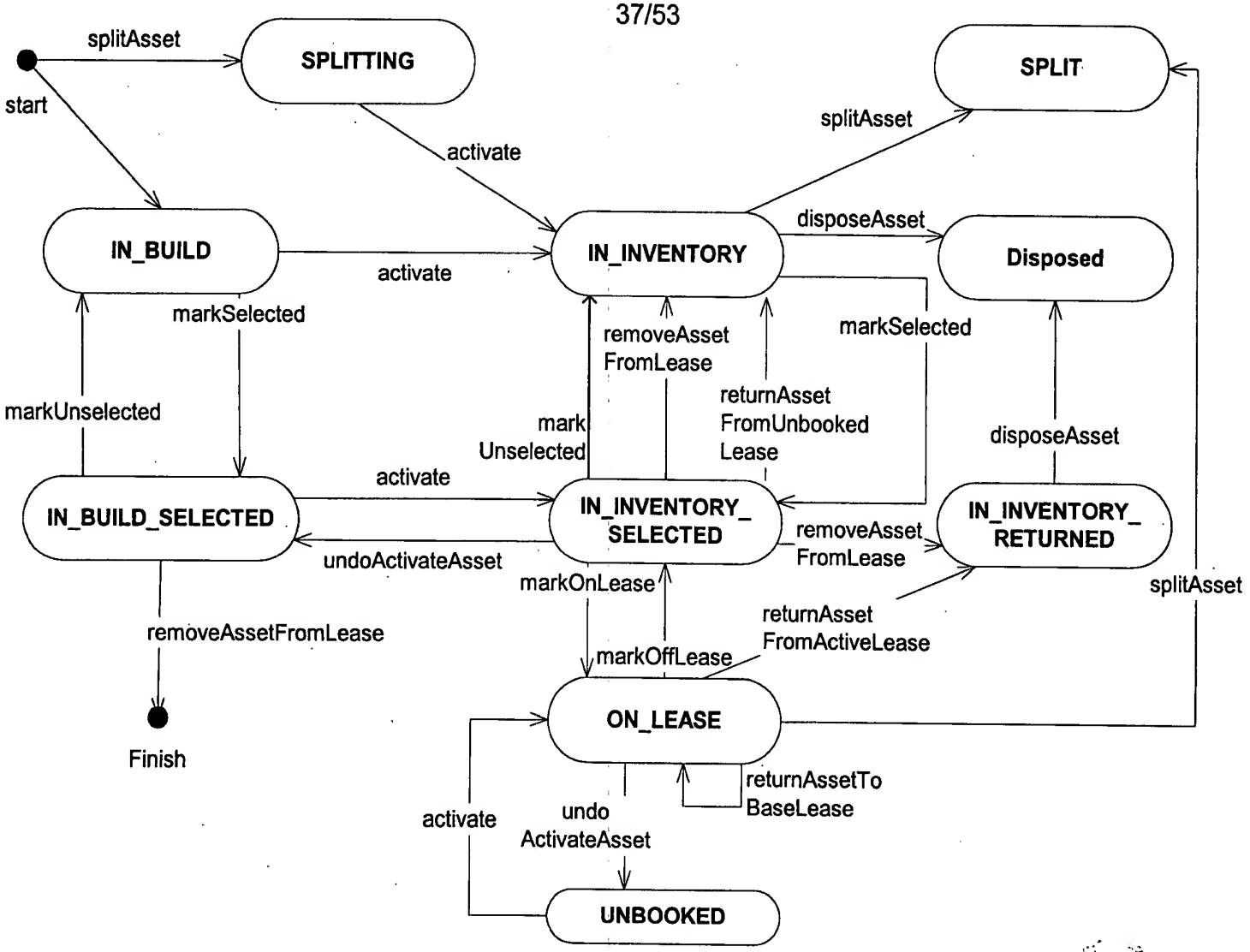

splitAsset
SPLITTING
start
activate
SPLIT
splitAsset
IN_BUILD
activate
IN_INVENTORY
disposeAsset
Disposed
markSelected
removeAsset
FromLease
markSelected
returnAsset
FromUnbooked
Lease
markUnselected
mark
Unselected
disposeAsset
activate
IN_BUILD_SELECTED
IN_INVENTORY_
SELECTED
removeAsset
FromLease
IN_INVENTORY_
RETURNED
undoActivateAsset
markOnLease
splitAsset
returnAsset
FromActiveLease
removeAssetFromLease
markOffLease
ON_LEASE
Finish
returnAssetTo
BaseLease
activate
undo
ActivateAsset
UNBOOKED

Fig. 13

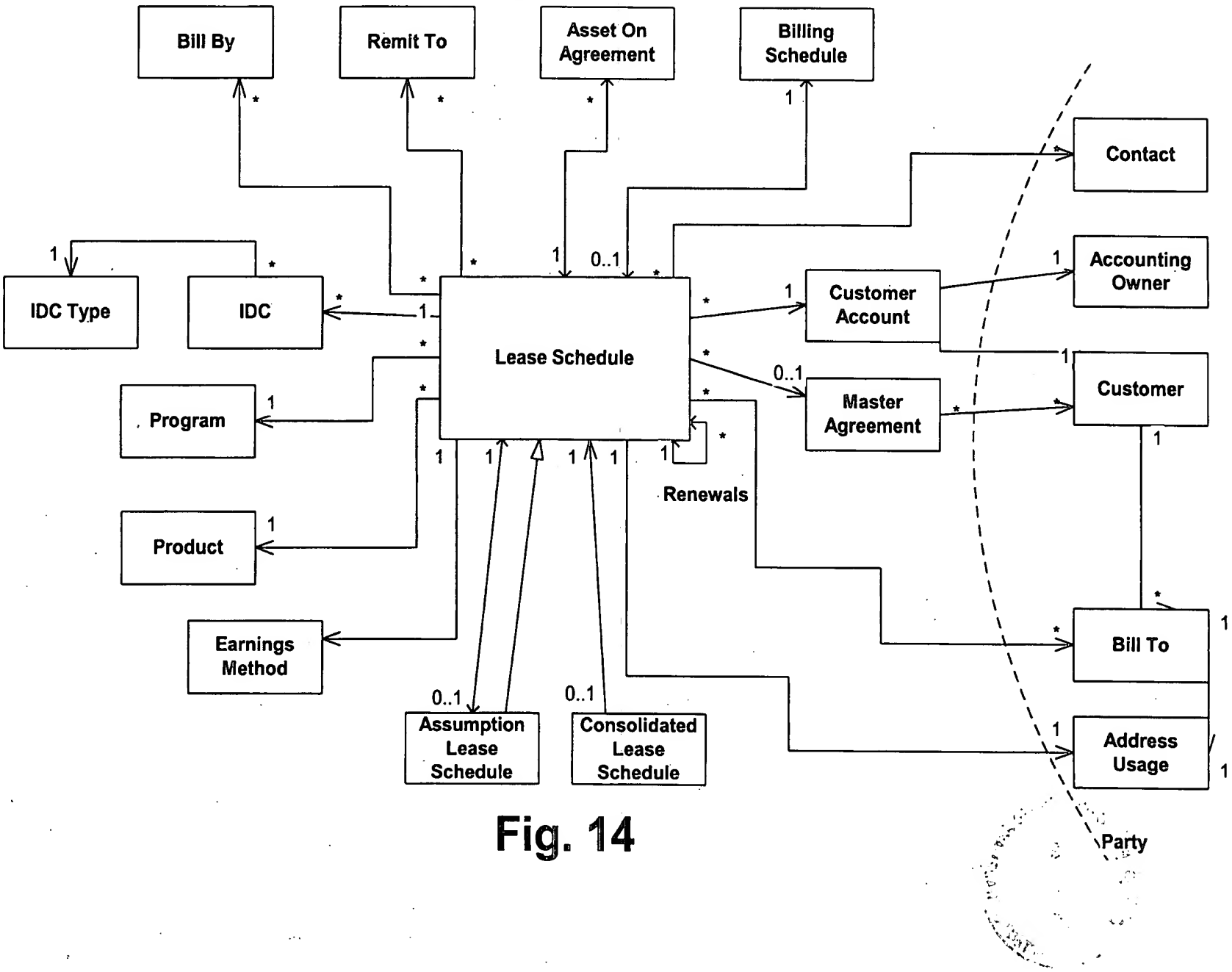

Bill By
Remit To
Asset On Agreement
Billing Schedule
Contact
Accounting Owner
IDC Type
IDC
Lease Schedule
Customer Account
Customer
Program
Master Agreement
Renewals
Product
Earnings Method
Bill To
Assumption Lease Schedule
Consolidated Lease Schedule
Address Usage
Party
1
*
0..1

Fig. 14

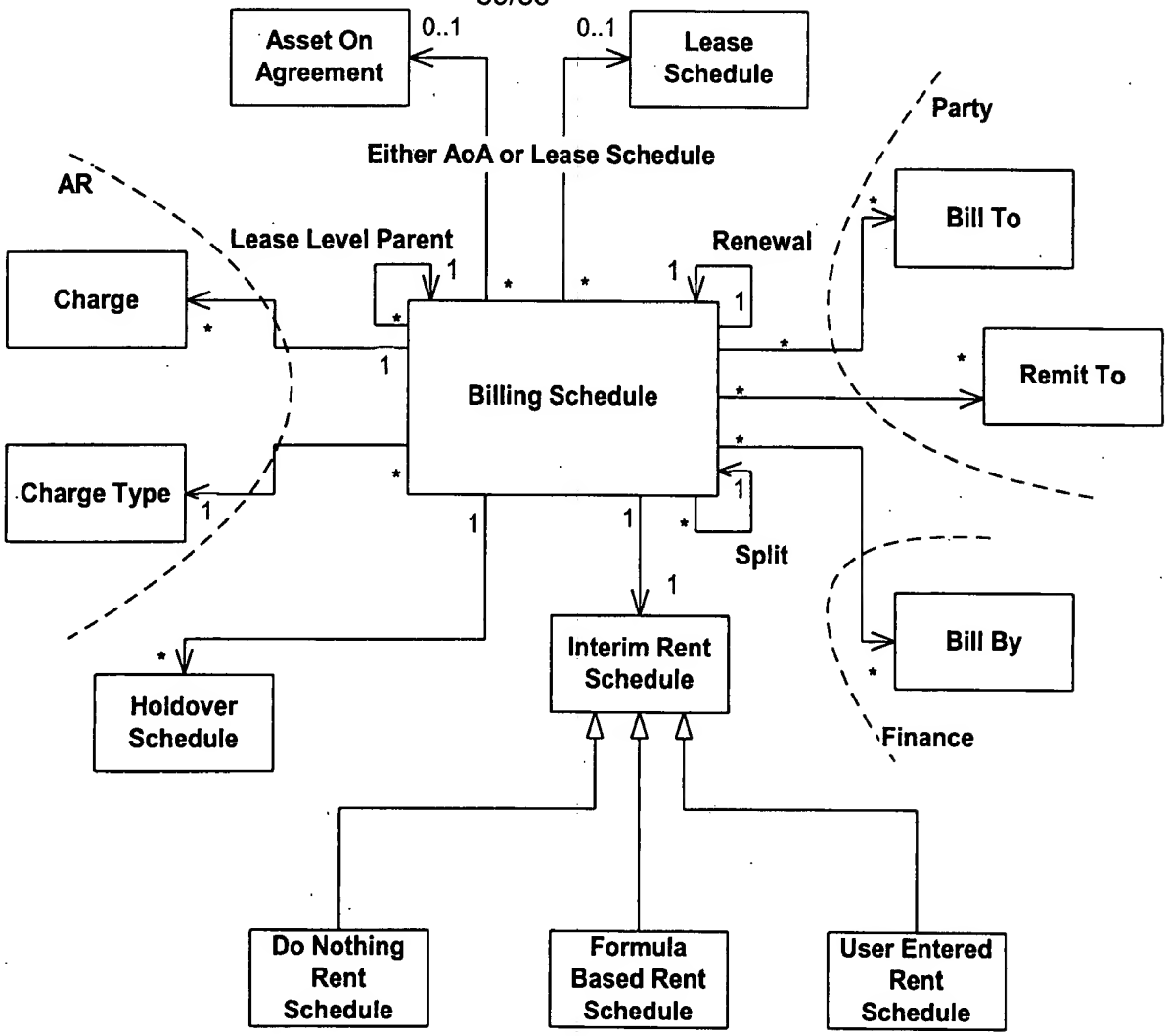

Asset On Agreement
0..1
0..1
Lease Schedule
Either AoA or Lease Schedule
AR
Party
Lease Level Parent
Renewal
Bill To
Charge
Billing Schedule
Remit To
Charge Type
Split
Interim Rent Schedule
Bill By
Holdover Schedule
Finance
Do Nothing Rent Schedule
Formula Based Rent Schedule
User Entered Rent Schedule

Fig. 15a

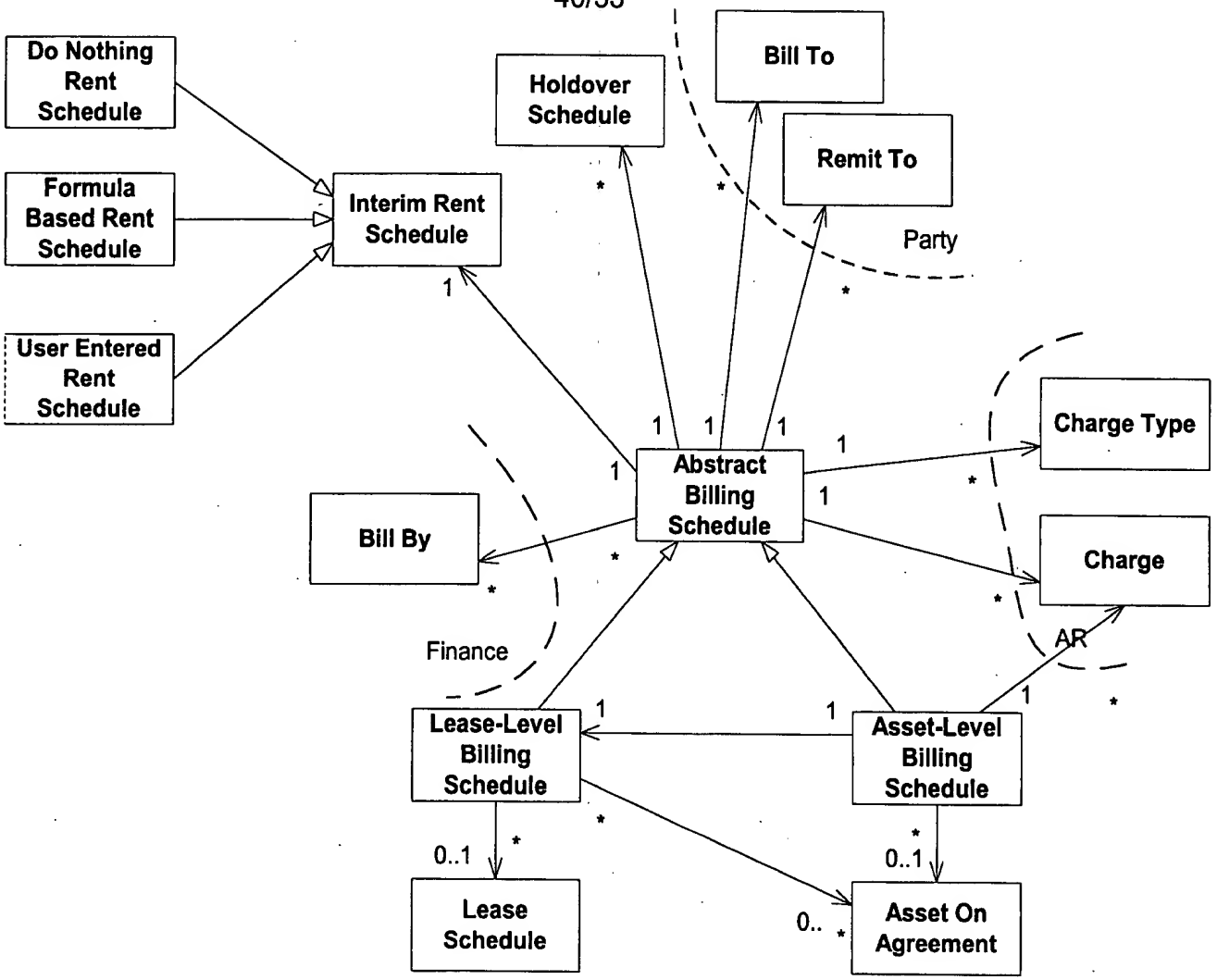

Do Nothing Rent Schedule
Formula Based Rent Schedule
User Entered Rent Schedule
Interim Rent Schedule
Holdover Schedule
Bill To
Remit To
Party
Abstract Billing Schedule
Bill By
Charge Type
Charge
Finance
AR
Lease-Level Billing Schedule
Asset-Level Billing Schedule
Lease Schedule
Asset On Agreement
1
*
0..1
0..

Fig. 15b

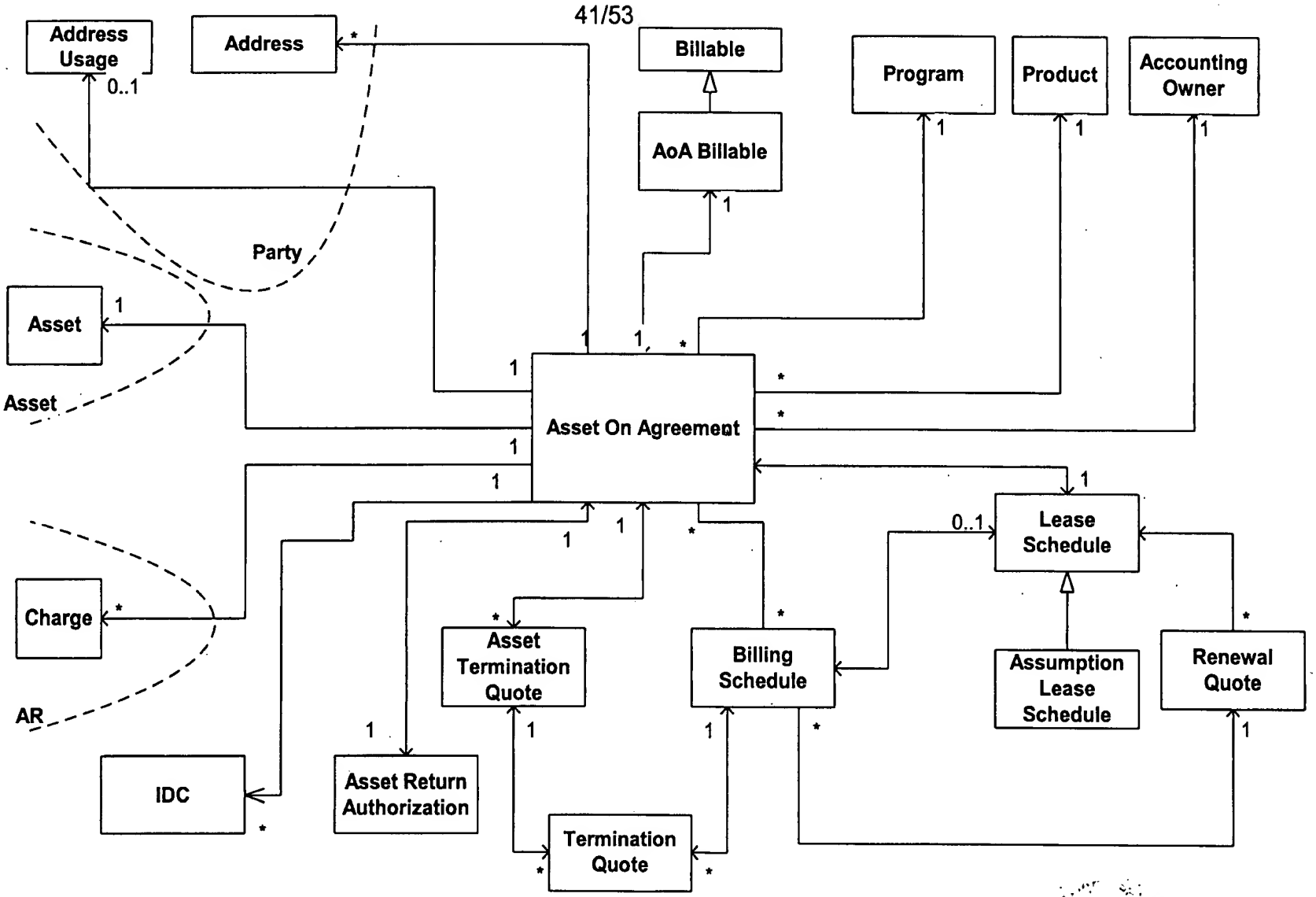

Address Usage
0..1
Address
Billable
AoA Billable
Program
Product
Accounting Owner
Party
Asset
Asset
Asset On Agreement
Charge
AR
IDC
Asset Return Authorization
Asset Termination Quote
Billing Schedule
Lease Schedule
Assumption Lease Schedule
Renewal Quote
Termination Quote

Fig. 16

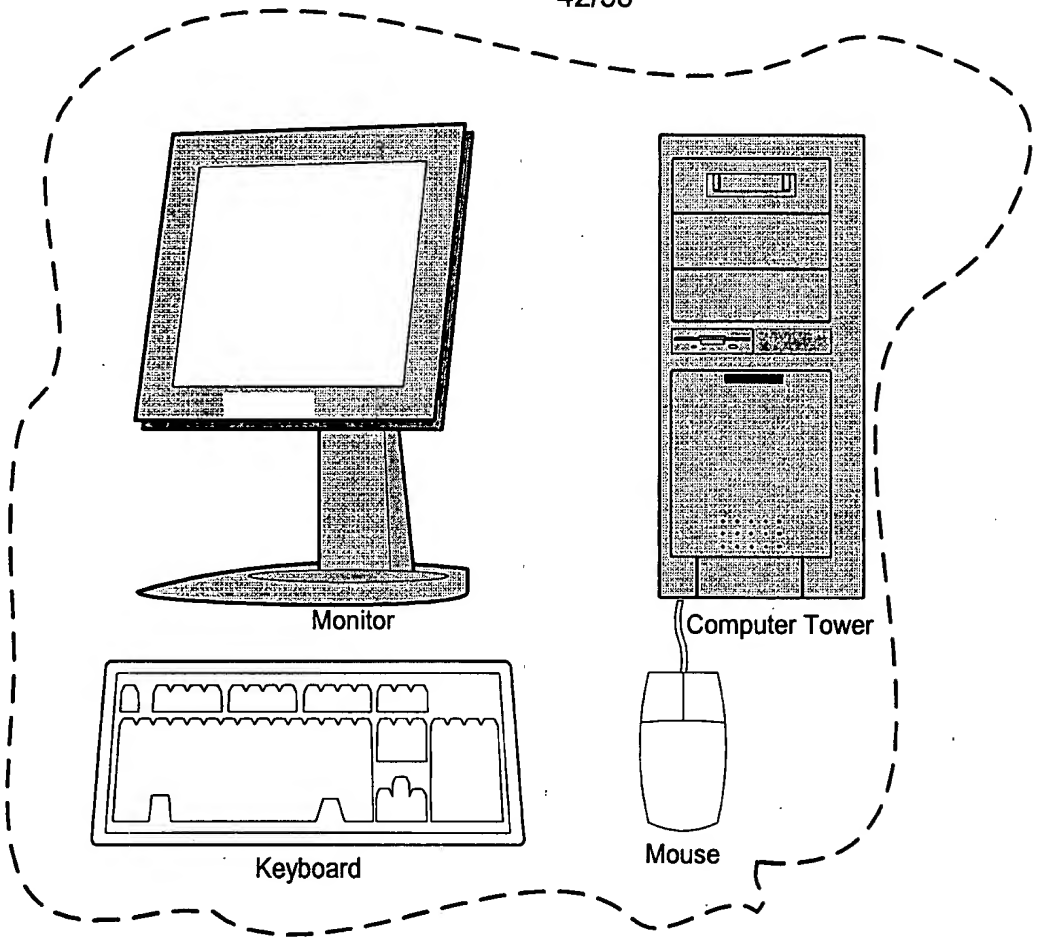


Fig. 17a

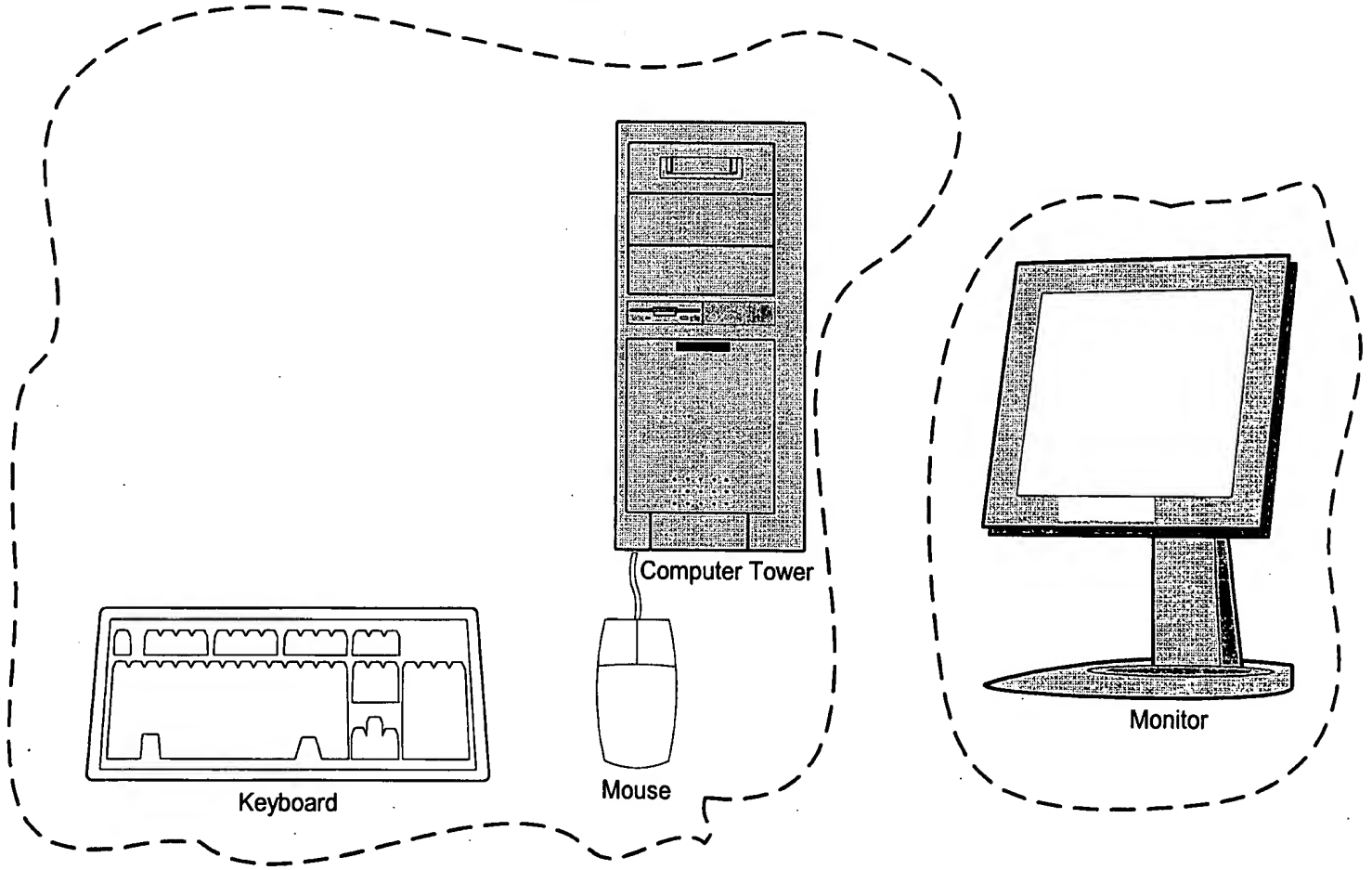


Fig. 17b

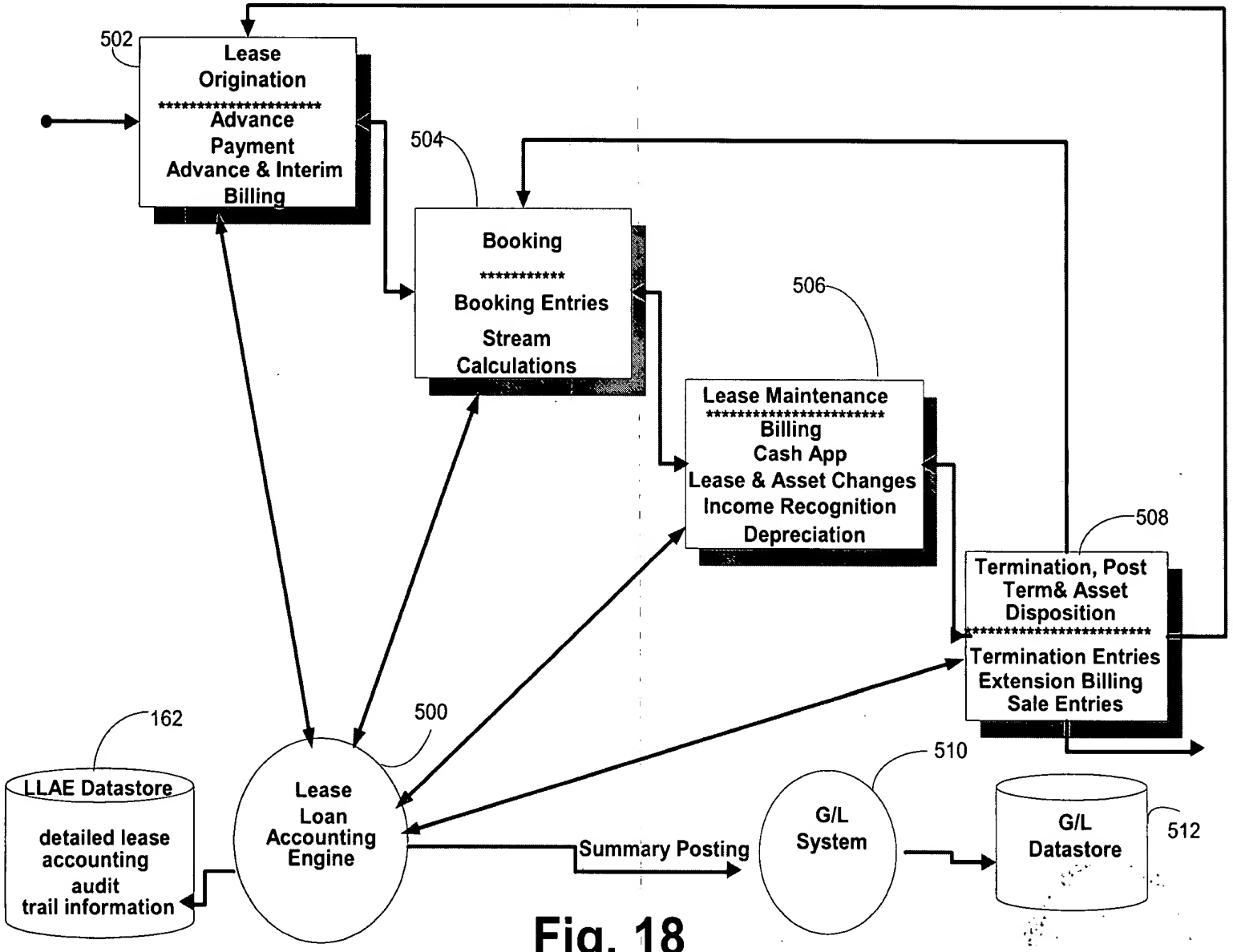
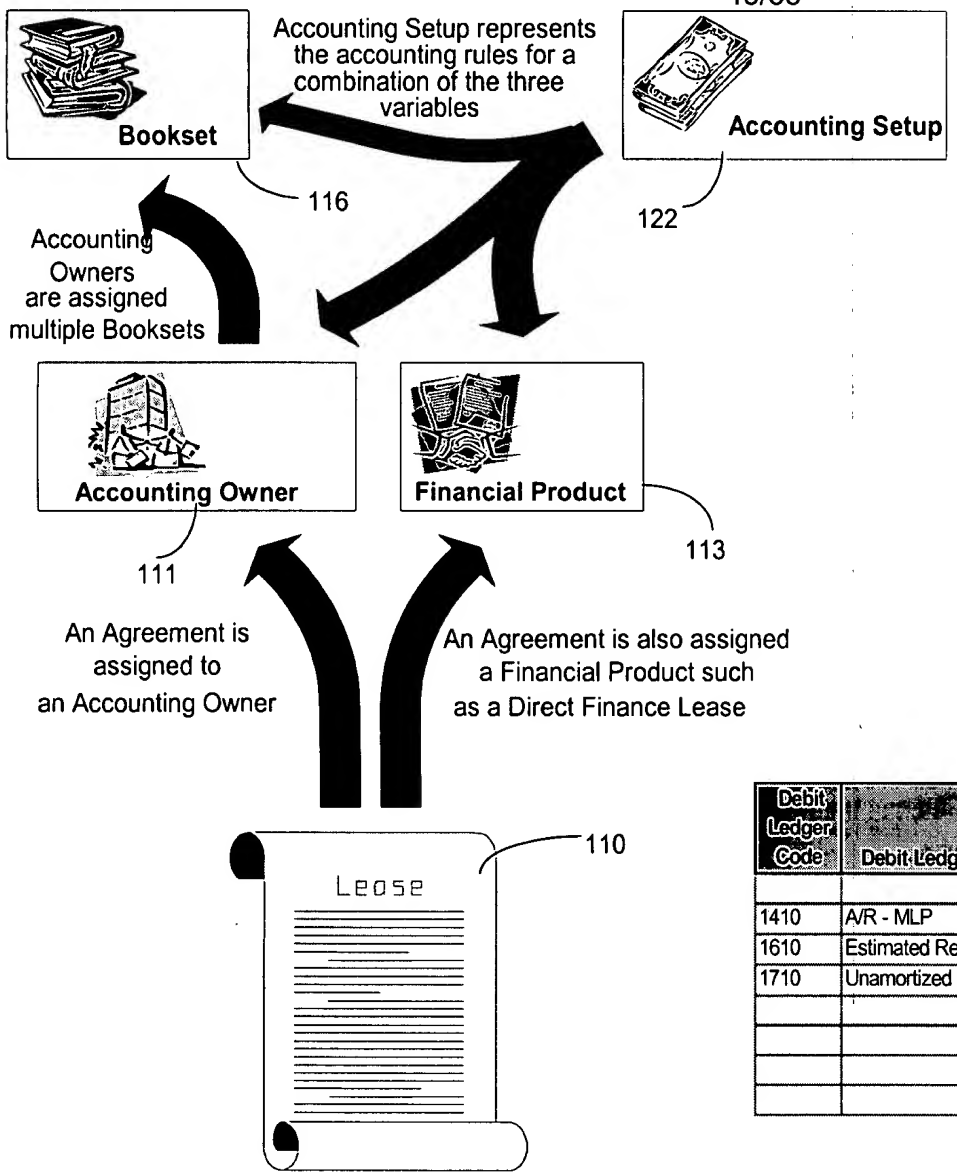
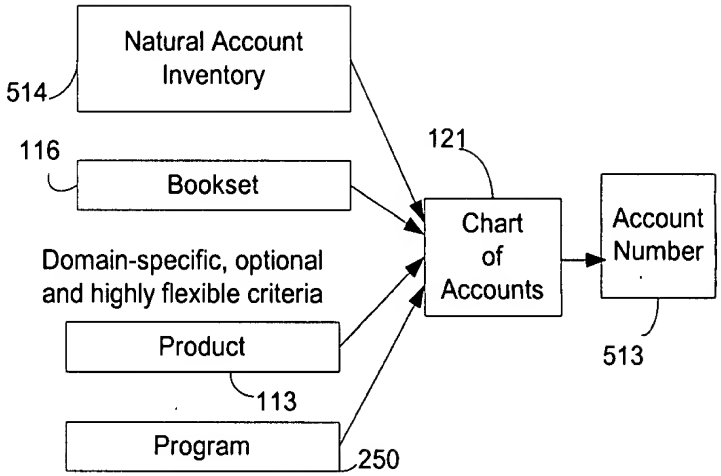

502
Lease Origination
Advance Payment
Advance & Interim Billing
504
Booking
Booking Entries
Stream Calculations
506
Lease Maintenance
Billing
Cash App
Lease & Asset Changes
Income Recognition
Depreciation
508
Termination, Post Term& Asset Disposition
Termination Entries
Extension Billing
Sale Entries
162
LLAE Datastore
detailed lease accounting audit trail information
500
Lease Loan Accounting Engine
Summary Posting
510
G/L System
G/L Datastore
512

Fig. 18





Define entries using a macro language, configurable field names and natural account codes. This allows you to define similar behaviors once instead of for each accounting unit.

Debit Ledger Code	Debit Ledger Name	Credit Ledger Code	Credit Ledger Name	Macro
				Price(NonAmount(INCOME_METHOD))
1410	A/R - MLP			Stream(RENT)
1610	Estimated Residual			Amount(BOOK_RESIDUAL)
1710	Unamortized IDC			Stream(IDC_AMORT)
		2510	Unearned Rental Income	Stream(RENTAL_INC)
		2515	Unearned Residual Income	Stream(RESID_INC)
		5551	IDC Expense Reduction	Amount(IDC)
		1650	Off-Lease Inventory	Ledger(1650)

Fig. 19

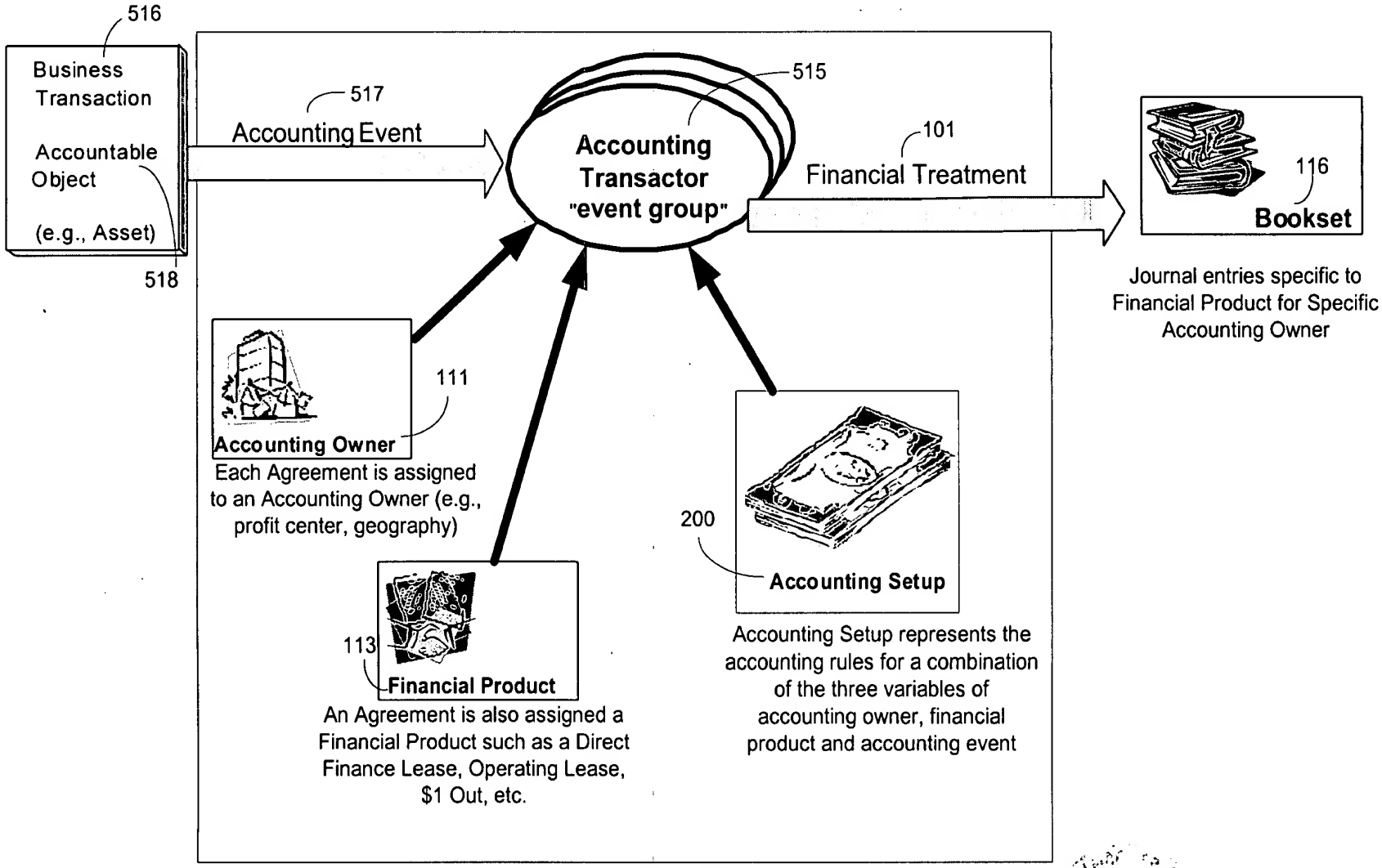

516
Business Transaction
Accountable Object
(e.g., Asset)
518
517
Accounting Event
515
Accounting Transactor "event group"
101
Financial Treatment
116
Bookset
Journal entries specific to Financial Product for Specific Accounting Owner
111
Accounting Owner
Each Agreement is assigned to an Accounting Owner (e.g., profit center, geography)
200
Accounting Setup
Accounting Setup represents the accounting rules for a combination of the three variables of accounting owner, financial product and accounting event
113
Financial Product
An Agreement is also assigned a Financial Product such as a Direct Finance Lease, Operating Lease, $1 Out, etc.

Fig. 20

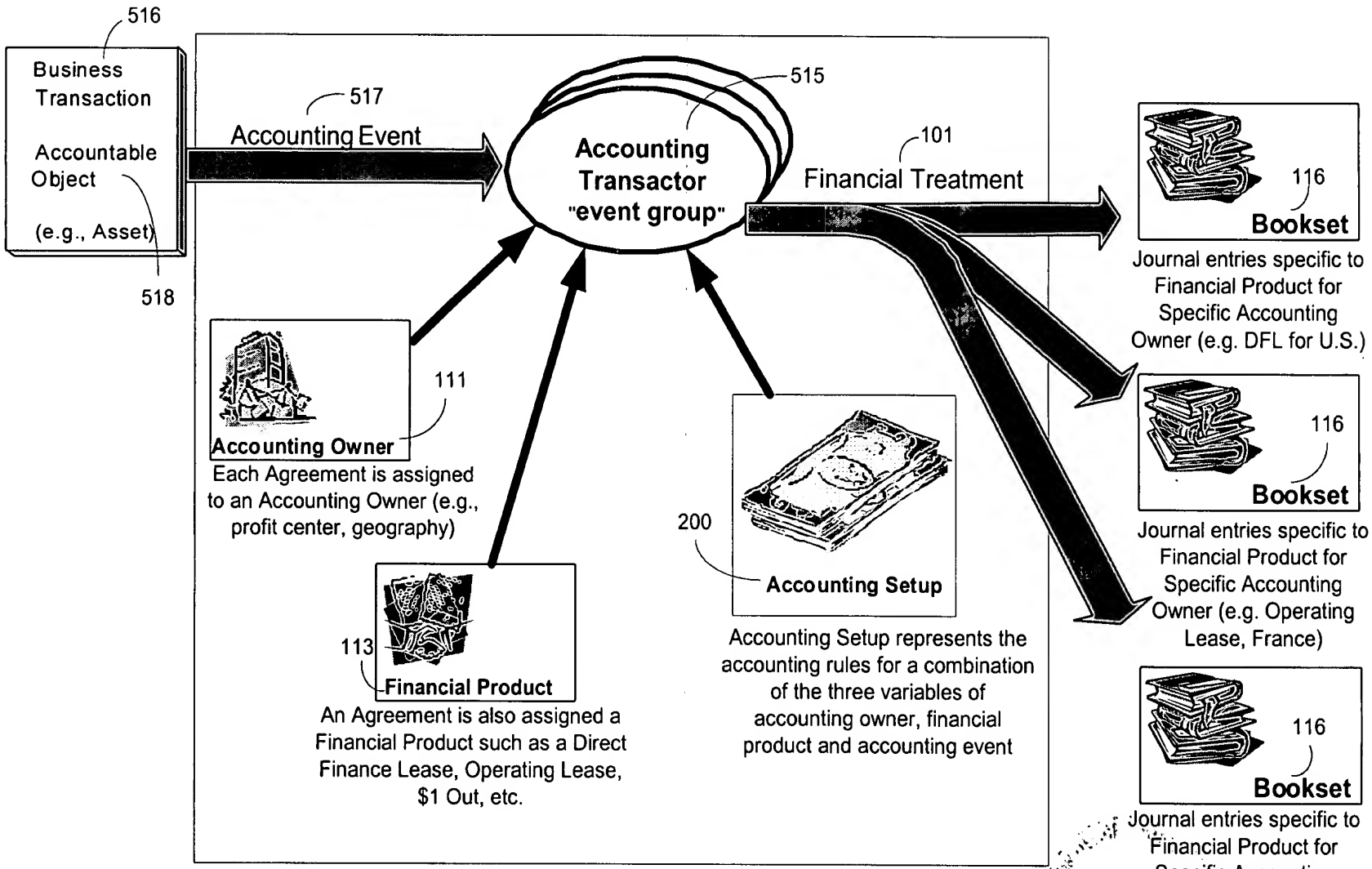

516
Business Transaction
Accountable Object
(e.g., Asset)
518
517
Accounting Event
515
Accounting Transactor "event group"
101
Financial Treatment
116
Bookset
Journal entries specific to Financial Product for Specific Accounting Owner (e.g. DFL for U.S.)
116
Bookset
Journal entries specific to Financial Product for Specific Accounting Owner (e.g. Operating Lease, France)
116
Bookset
Journal entries specific to Financial Product for Specific Accounting Owner (e.g. Finace Lease, Management.)
111
Accounting Owner
Each Agreement is assigned to an Accounting Owner (e.g., profit center, geography)
200
Accounting Setup
Accounting Setup represents the accounting rules for a combination of the three variables of accounting owner, financial product and accounting event
113
Financial Product
An Agreement is also assigned a Financial Product such as a Direct Finance Lease, Operating Lease, $1 Out, etc.

Fig. 21

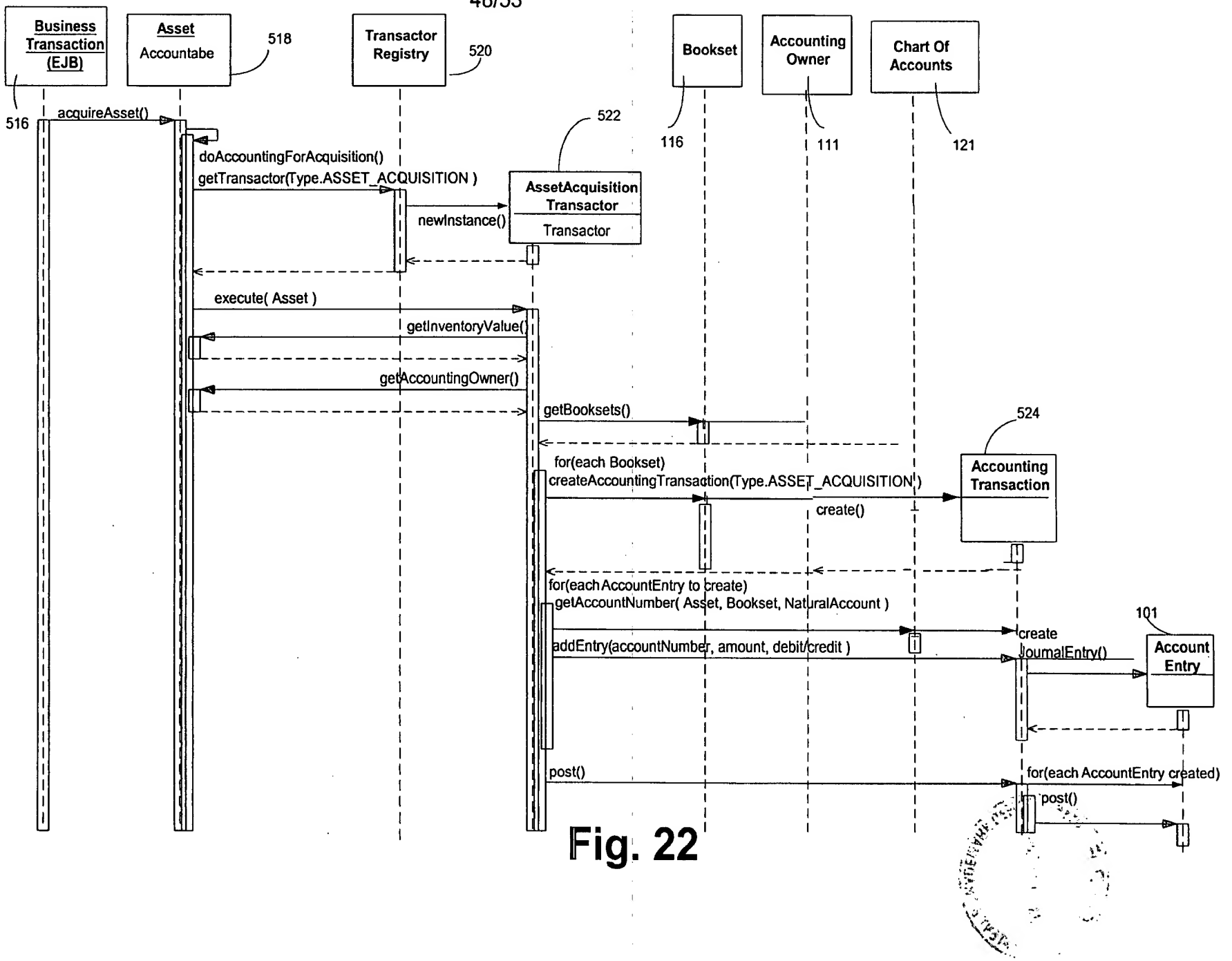

Business Transaction (EJB)
Asset
Accountabe
518
Transactor Registry
520
Bookset
Accounting Owner
Chart Of Accounts
516
116
111
121
522
acquireAsset()
doAccountingForAcquisition()
getTransactor(Type.ASSET_ACQUISITION)
newInstance()
AssetAcquisition Transactor
Transactor
execute(Asset)
getInventoryValue()
getAccountingOwner()
getBooksets()
524
for(each Bookset)
createAccountingTransaction(Type.ASSET_ACQUISITION)
Accounting Transaction
create()
for(each AccountEntry to create)
getAccountNumber(Asset, Bookset, NaturalAccount)
101
addEntry(accountNumber, amount, debit/credit)
create JournalEntry()
Account Entry
post()
for(each AccountEntry created)
post()

Fig. 22

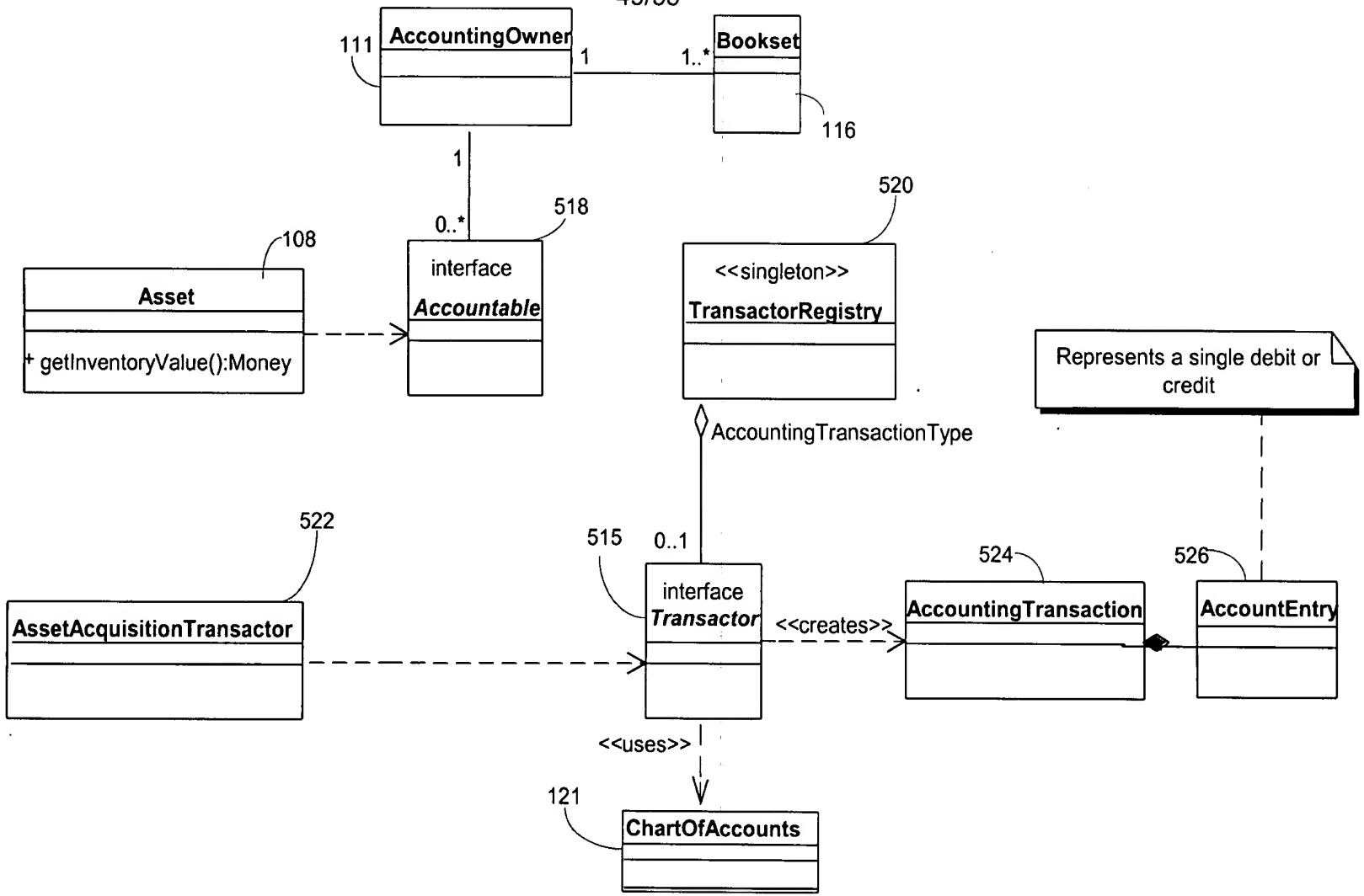

AccountingOwner
111
1
1..*
Bookset
116
1
0..*
518
520
108
Asset
+ getInventoryValue():Money
interface
Accountable
<<singleton>>
TransactorRegistry
Represents a single debit or credit
AccountingTransactionType
522
515
0..1
524
526
AssetAcquisitionTransactor
interface
Transactor
<<creates>>
AccountingTransaction
AccountEntry
<<uses>>
121
ChartOfAccounts

Fig. 23

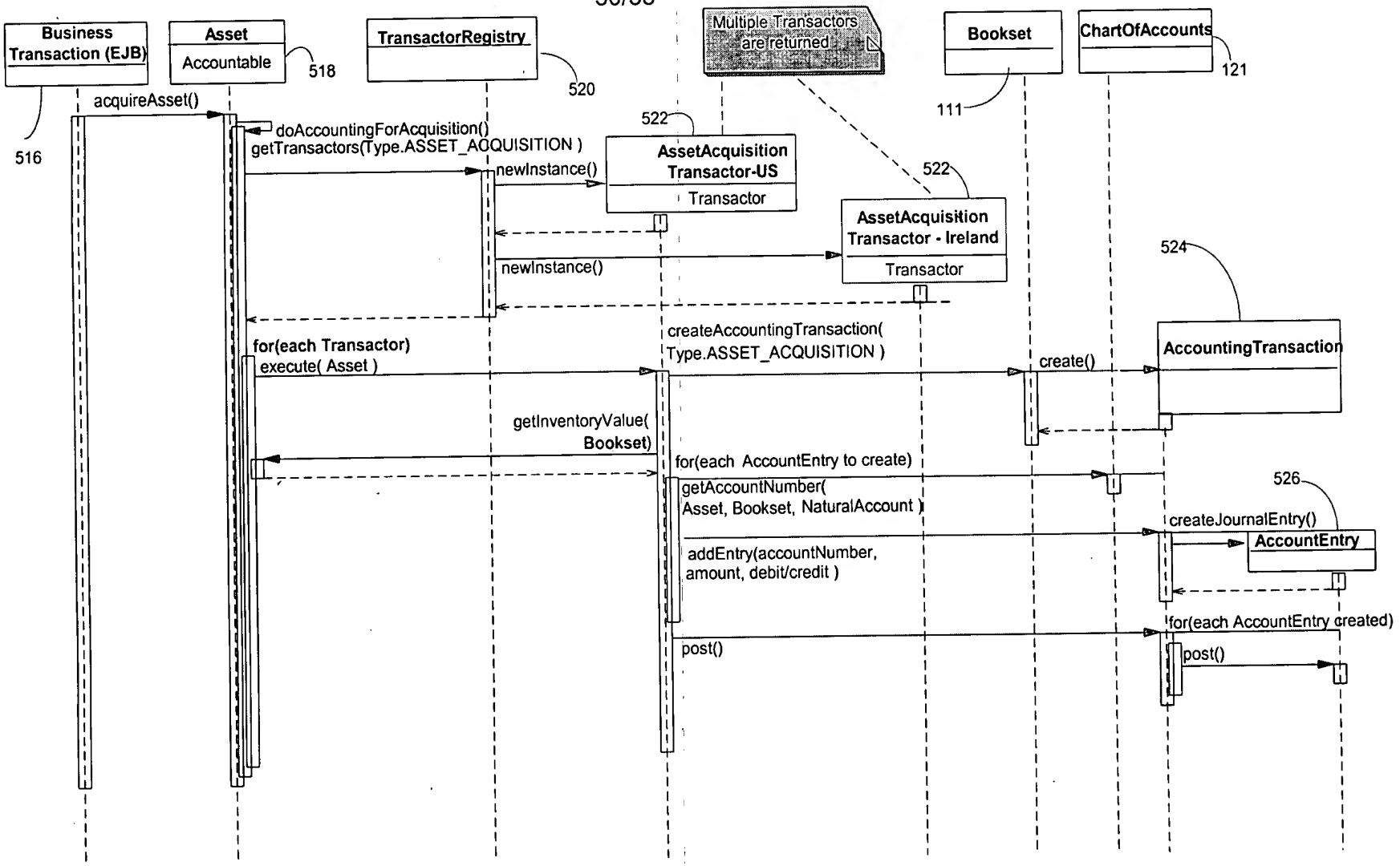

Business Transaction (EJB)
Asset
Accountable
518
TransactorRegistry
520
Multiple Transactors are returned
Bookset
111
ChartOfAccounts
121
516
acquireAsset()
doAccountingForAcquisition()
getTransactors(Type.ASSET_ACQUISITION)
522
AssetAcquisition Transactor-US
Transactor
newInstance()
522
AssetAcquisition Transactor - Ireland
Transactor
newInstance()
524
AccountingTransaction
for(each Transactor)
execute(Asset)
createAccountingTransaction(
Type.ASSET_ACQUISITION)
create()
getInventoryValue(
Bookset)
for(each AccountEntry to create)
526
getAccountNumber(
Asset, Bookset, NaturalAccount)
createJournalEntry()
AccountEntry
addEntry(accountNumber,
amount, debit/credit)
for(each AccountEntry created)
post()
post()

Fig. 24

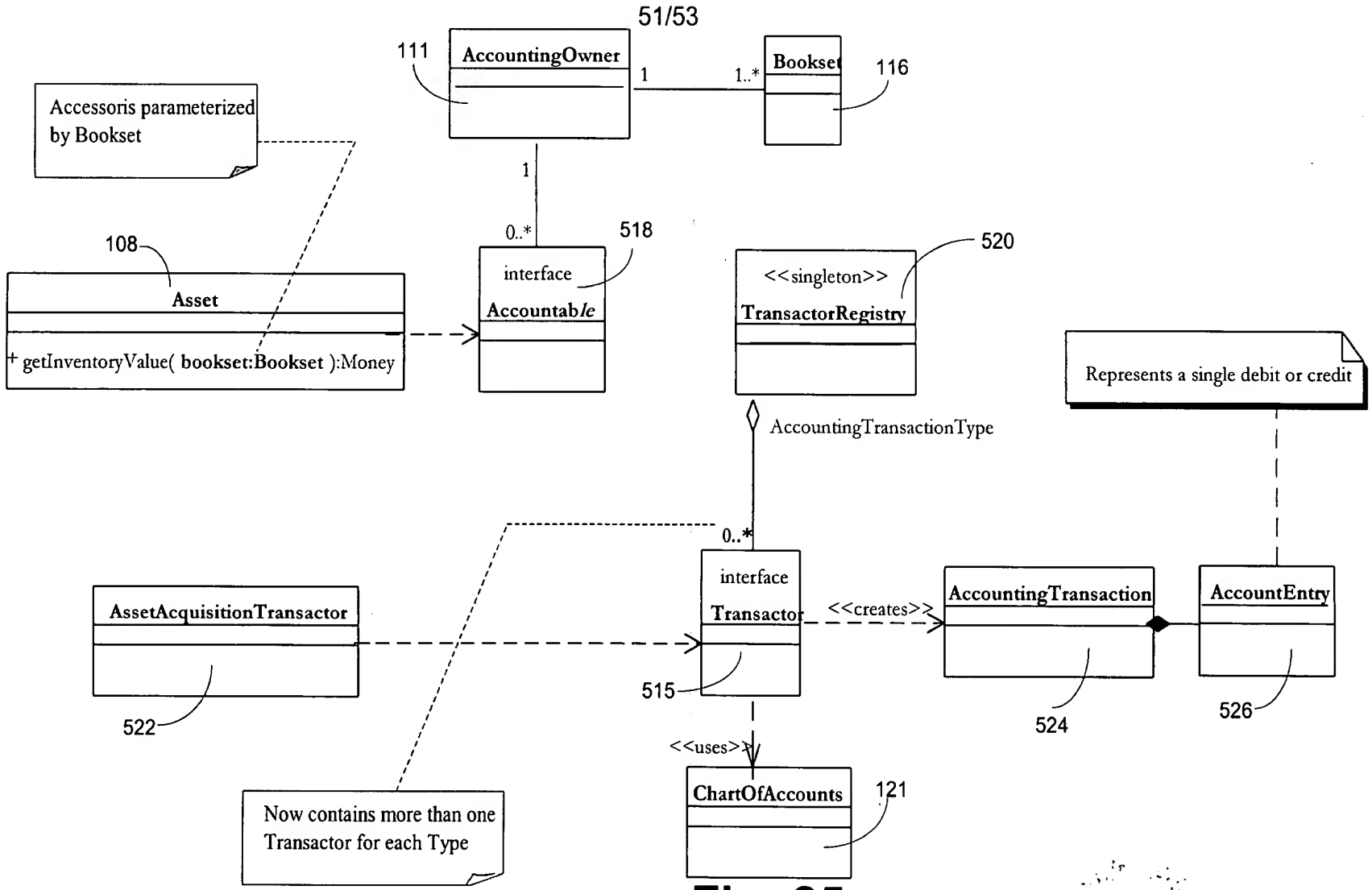

AccountingOwner
111
1
1..*
Bookset
116
Accessoris parameterized by Bookset
1
0..*
518
108
Asset
+ getInventoryValue(bookset:Bookset):Money
interface
Accountable
<<singleton>>
TransactorRegistry
520
Represents a single debit or credit
AccountingTransactionType
0..*
interface
Transactor
<<creates>>
AccountingTransaction
AccountEntry
AssetAcquisitionTransactor
522
515
524
526
<<uses>>
ChartOfAccounts
121
Now contains more than one Transactor for each Type

Fig. 25

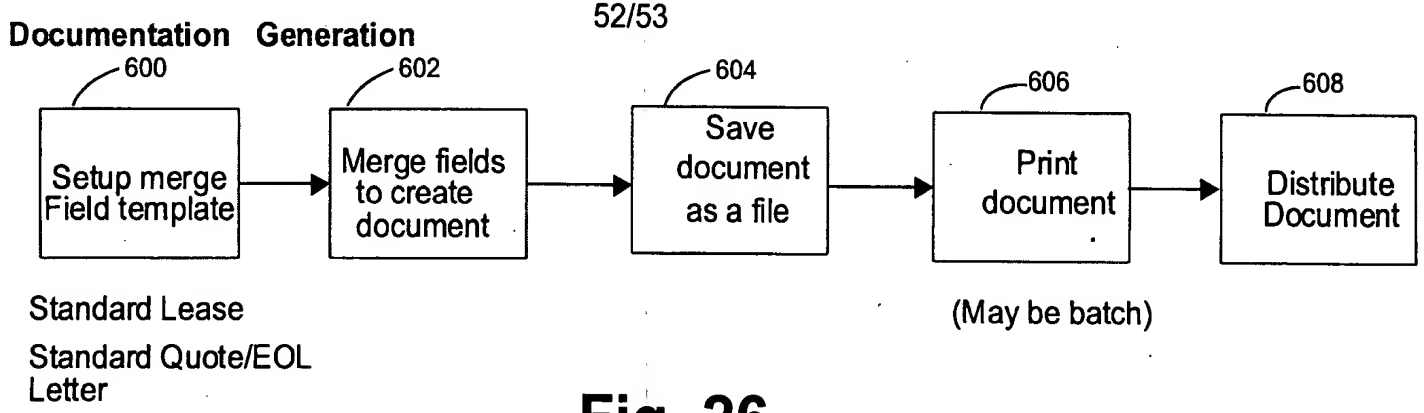

Documentation Generation
600
Setup merge Field template
602
Merge fields to create document
604
Save document as a file
606
Print document
608
Distribute Document
Standard Lease
Standard Quote/EOL Letter
(May be batch)

Fig. 26

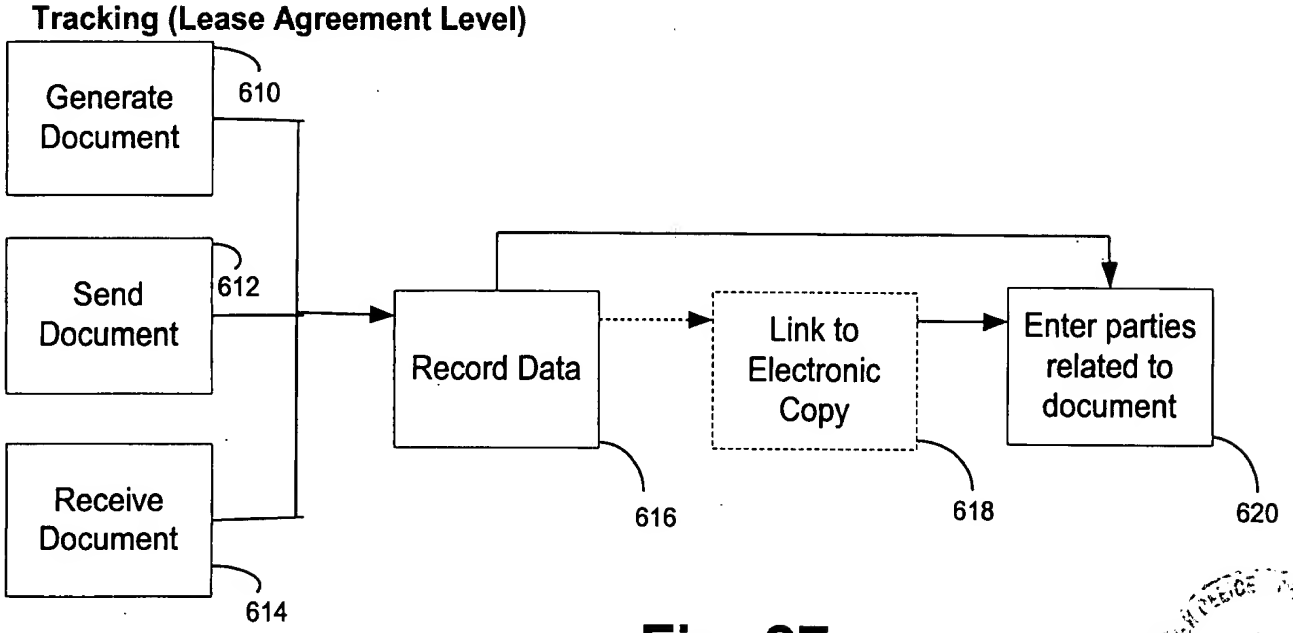

Tracking (Lease Agreement Level)
Generate Document
610
Send Document
612
Receive Document
614
Record Data
616
Link to Electronic Copy
618
Enter parties related to document
620

Fig. 27

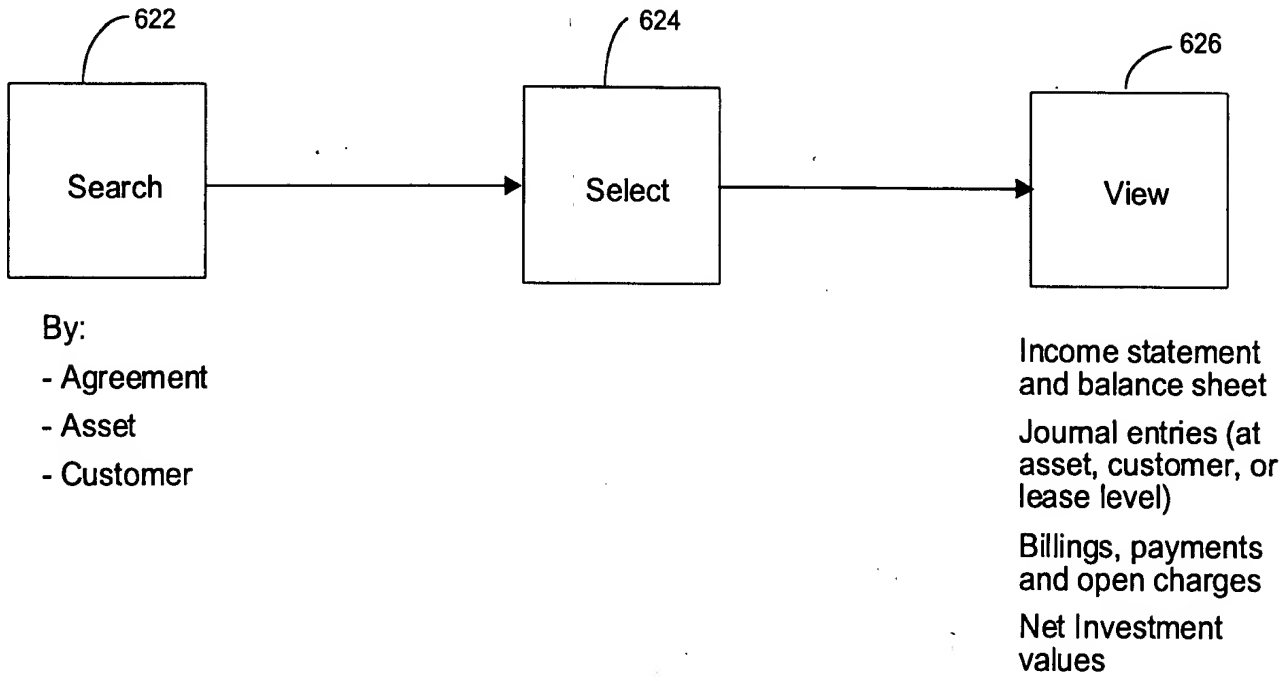

622
624
626
Search
Select
View
By:
- Agreement
- Asset
- Customer
Income statement and balance sheet
Journal entries (at asset, customer, or lease level)
Billings, payments and open charges
Net Investment values

Fig. 28